1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.73	1.54	26.27	<=30	Pass
			2	24.70	1.54	26.24	<=30	Pass
			5	24.71	1.54	26.25	<=30	Pass
		3	0	25.01	1.54	26.55	<=30	Pass
			2	24.93	1.54	26.47	<=30	Pass
			3	24.99	1.54	26.53	<=30	Pass
		6	0	24.00	1.54	25.54	<=30	Pass
	1732.5	1	0	24.68	1.54	26.22	<=30	Pass
			2	24.67	1.54	26.21	<=30	Pass
			5	24.69	1.54	26.23	<=30	Pass
		3	0	24.96	1.54	26.50	<=30	Pass
			2	24.89	1.54	26.43	<=30	Pass
			3	24.97	1.54	26.51	<=30	Pass
		6	0	23.92	1.54	25.46	<=30	Pass
	1754.3	1	0	24.46	1.54	26.00	<=30	Pass
			2	24.50	1.54	26.04	<=30	Pass
			5	24.49	1.54	26.03	<=30	Pass
		3	0	24.72	1.54	26.26	<=30	Pass
			2	24.67	1.54	26.21	<=30	Pass
			3	24.72	1.54	26.26	<=30	Pass
		6	0	23.77	1.54	25.31	<=30	Pass
16QAM	1710.7	1	0	24.13	1.54	25.67	<=30	Pass
			2	24.10	1.54	25.64	<=30	Pass
			5	24.10	1.54	25.64	<=30	Pass
		3	0	24.18	1.54	25.72	<=30	Pass
			2	24.17	1.54	25.71	<=30	Pass
			3	24.23	1.54	25.77	<=30	Pass
		6	0	23.25	1.54	24.79	<=30	Pass
	1732.5	1	0	23.87	1.54	25.41	<=30	Pass
			2	23.82	1.54	25.36	<=30	Pass
			5	23.88	1.54	25.42	<=30	Pass
		3	0	24.36	1.54	25.90	<=30	Pass
			2	24.30	1.54	25.84	<=30	Pass
			3	24.39	1.54	25.93	<=30	Pass
		6	0	23.20	1.54	24.74	<=30	Pass
	1754.3	1	0	23.70	1.54	25.24	<=30	Pass
			2	23.76	1.54	25.30	<=30	Pass
			5	23.73	1.54	25.27	<=30	Pass
		3	0	24.05	1.54	25.59	<=30	Pass
			2	23.92	1.54	25.46	<=30	Pass
			3	23.99	1.54	25.53	<=30	Pass
		6	0	22.94	1.54	24.48	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.68	1.54	26.22	<=30	Pass
			7	24.59	1.54	26.13	<=30	Pass
			14	24.70	1.54	26.24	<=30	Pass
		8	0	24.19	1.54	25.73	<=30	Pass
			4	24.18	1.54	25.72	<=30	Pass
			7	24.19	1.54	25.73	<=30	Pass
		15	0	24.27	1.54	25.81	<=30	Pass
	1732.5	1	0	24.72	1.54	26.26	<=30	Pass
			7	24.68	1.54	26.22	<=30	Pass
			14	24.68	1.54	26.22	<=30	Pass
		8	0	24.17	1.54	25.71	<=30	Pass
			4	24.14	1.54	25.68	<=30	Pass
			7	24.14	1.54	25.68	<=30	Pass
		15	0	24.16	1.54	25.70	<=30	Pass
	1753.5	1	0	24.45	1.54	25.99	<=30	Pass
			7	24.45	1.54	25.99	<=30	Pass
			14	24.43	1.54	25.97	<=30	Pass
		8	0	23.96	1.54	25.50	<=30	Pass
			4	23.94	1.54	25.48	<=30	Pass
			7	23.94	1.54	25.48	<=30	Pass
		15	0	24.02	1.54	25.56	<=30	Pass
16QAM	1711.5	1	0	24.52	1.54	26.06	<=30	Pass
			7	24.44	1.54	25.98	<=30	Pass
			14	24.45	1.54	25.99	<=30	Pass
		8	0	23.58	1.54	25.12	<=30	Pass
			4	23.56	1.54	25.10	<=30	Pass
			7	23.56	1.54	25.10	<=30	Pass
		15	0	23.58	1.54	25.12	<=30	Pass
	1732.5	1	0	23.88	1.54	25.42	<=30	Pass
			7	23.88	1.54	25.42	<=30	Pass
			14	23.93	1.54	25.47	<=30	Pass
		8	0	23.44	1.54	24.98	<=30	Pass
			4	23.43	1.54	24.97	<=30	Pass
			7	23.41	1.54	24.95	<=30	Pass
		15	0	23.46	1.54	25.00	<=30	Pass
	1753.5	1	0	23.86	1.54	25.40	<=30	Pass
			7	23.82	1.54	25.36	<=30	Pass
			14	23.83	1.54	25.37	<=30	Pass
		8	0	23.15	1.54	24.69	<=30	Pass
			4	23.15	1.54	24.69	<=30	Pass
			7	23.14	1.54	24.68	<=30	Pass
		15	0	23.23	1.54	24.77	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	24.91	1.54	26.45	<=30	Pass
			13	24.95	1.54	26.49	<=30	Pass
			24	24.92	1.54	26.46	<=30	Pass

		12	0	24.25	1.54	25.79	<=30	Pass
			6	24.29	1.54	25.83	<=30	Pass
			13	24.35	1.54	25.89	<=30	Pass
		25	0	24.31	1.54	25.85	<=30	Pass
	1732.5	1	0	24.87	1.54	26.41	<=30	Pass
			13	24.90	1.54	26.44	<=30	Pass
			24	24.83	1.54	26.37	<=30	Pass
		12	0	24.26	1.54	25.80	<=30	Pass
			6	24.24	1.54	25.78	<=30	Pass
			13	24.25	1.54	25.79	<=30	Pass
		25	0	24.26	1.54	25.80	<=30	Pass
	1752.5	1	0	24.63	1.54	26.17	<=30	Pass
			13	24.70	1.54	26.24	<=30	Pass
			24	24.65	1.54	26.19	<=30	Pass
		12	0	24.09	1.54	25.63	<=30	Pass
			6	24.04	1.54	25.58	<=30	Pass
			13	24.08	1.54	25.62	<=30	Pass
		25	0	24.11	1.54	25.65	<=30	Pass
16QAM	1712.5	1	0	24.00	1.54	25.54	<=30	Pass
			13	24.05	1.54	25.59	<=30	Pass
			24	24.04	1.54	25.58	<=30	Pass
		12	0	23.54	1.54	25.08	<=30	Pass
			6	23.57	1.54	25.11	<=30	Pass
			13	23.60	1.54	25.14	<=30	Pass
		25	0	23.67	1.54	25.21	<=30	Pass
	1732.5	1	0	24.13	1.54	25.67	<=30	Pass
			13	24.15	1.54	25.69	<=30	Pass
			24	24.10	1.54	25.64	<=30	Pass
		12	0	23.48	1.54	25.02	<=30	Pass
			6	23.45	1.54	24.99	<=30	Pass
			13	23.45	1.54	24.99	<=30	Pass
		25	0	23.57	1.54	25.11	<=30	Pass
	1752.5	1	0	24.14	1.54	25.68	<=30	Pass
			13	24.16	1.54	25.70	<=30	Pass
			24	24.11	1.54	25.65	<=30	Pass
		12	0	23.40	1.54	24.94	<=30	Pass
			6	23.38	1.54	24.92	<=30	Pass
			13	23.37	1.54	24.91	<=30	Pass
		25	0	23.34	1.54	24.88	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.95	1.54	26.49	<=30	Pass
			25	24.82	1.54	26.36	<=30	Pass
			49	24.95	1.54	26.49	<=30	Pass
		25	0	24.25	1.54	25.79	<=30	Pass
			13	24.35	1.54	25.89	<=30	Pass
			25	24.40	1.54	25.94	<=30	Pass
		50	0	24.38	1.54	25.92	<=30	Pass
	1732.5	1	0	24.97	1.54	26.51	<=30	Pass
			25	24.88	1.54	26.42	<=30	Pass

			49	24.92	1.54	26.46	<=30	Pass
		25	0	24.30	1.54	25.84	<=30	Pass
			13	24.29	1.54	25.83	<=30	Pass
			25	24.25	1.54	25.79	<=30	Pass
		50	0	24.32	1.54	25.86	<=30	Pass
	1750	1	0	24.73	1.54	26.27	<=30	Pass
			25	24.62	1.54	26.16	<=30	Pass
			49	24.65	1.54	26.19	<=30	Pass
		25	0	24.09	1.54	25.63	<=30	Pass
			13	24.09	1.54	25.63	<=30	Pass
			25	24.12	1.54	25.66	<=30	Pass
		50	0	24.16	1.54	25.70	<=30	Pass
16QAM	1715	1	0	24.71	1.54	26.25	<=30	Pass
			25	24.63	1.54	26.17	<=30	Pass
			49	24.69	1.54	26.23	<=30	Pass
		25	0	23.60	1.54	25.14	<=30	Pass
			13	23.67	1.54	25.21	<=30	Pass
			25	23.75	1.54	25.29	<=30	Pass
		50	0	23.67	1.54	25.21	<=30	Pass
	1732.5	1	0	24.15	1.54	25.69	<=30	Pass
			25	24.04	1.54	25.58	<=30	Pass
			49	24.10	1.54	25.64	<=30	Pass
		25	0	23.63	1.54	25.17	<=30	Pass
			13	23.61	1.54	25.15	<=30	Pass
			25	23.60	1.54	25.14	<=30	Pass
		50	0	23.62	1.54	25.16	<=30	Pass
	1750	1	0	24.10	1.54	25.64	<=30	Pass
			25	24.00	1.54	25.54	<=30	Pass
			49	24.07	1.54	25.61	<=30	Pass
		25	0	23.42	1.54	24.96	<=30	Pass
			13	23.41	1.54	24.95	<=30	Pass
			25	23.41	1.54	24.95	<=30	Pass
		50	0	23.44	1.54	24.98	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	24.93	1.54	26.47	<=30	Pass
			38	24.93	1.54	26.47	<=30	Pass
			74	24.99	1.54	26.53	<=30	Pass
		36	0	24.22	1.54	25.76	<=30	Pass
			18	24.25	1.54	25.79	<=30	Pass
			39	24.35	1.54	25.89	<=30	Pass
		75	0	24.33	1.54	25.87	<=30	Pass
	1732.5	1	0	24.92	1.54	26.46	<=30	Pass
			38	24.86	1.54	26.40	<=30	Pass
			74	24.85	1.54	26.39	<=30	Pass
		36	0	24.30	1.54	25.84	<=30	Pass
			18	24.28	1.54	25.82	<=30	Pass
			39	24.26	1.54	25.80	<=30	Pass
		75	0	24.32	1.54	25.86	<=30	Pass
	1747.5	1	0	24.83	1.54	26.37	<=30	Pass

			38	24.71	1.54	26.25	<=30	Pass
			74	24.73	1.54	26.27	<=30	Pass
		36	0	24.10	1.54	25.64	<=30	Pass
			18	24.03	1.54	25.57	<=30	Pass
			39	24.09	1.54	25.63	<=30	Pass
		75	0	24.13	1.54	25.67	<=30	Pass
16QAM	1717.5	1	0	24.40	1.54	25.94	<=30	Pass
			38	24.34	1.54	25.88	<=30	Pass
			74	24.36	1.54	25.90	<=30	Pass
		36	0	23.47	1.54	25.01	<=30	Pass
			18	23.51	1.54	25.05	<=30	Pass
			39	23.55	1.54	25.09	<=30	Pass
		75	0	23.58	1.54	25.12	<=30	Pass
	1732.5	1	0	24.60	1.54	26.14	<=30	Pass
			38	24.52	1.54	26.06	<=30	Pass
			74	24.54	1.54	26.08	<=30	Pass
		36	0	23.54	1.54	25.08	<=30	Pass
			18	23.46	1.54	25.00	<=30	Pass
			39	23.46	1.54	25.00	<=30	Pass
		75	0	23.49	1.54	25.03	<=30	Pass
	1747.5	1	0	24.34	1.54	25.88	<=30	Pass
			38	24.25	1.54	25.79	<=30	Pass
			74	24.25	1.54	25.79	<=30	Pass
		36	0	23.30	1.54	24.84	<=30	Pass
			18	23.26	1.54	24.80	<=30	Pass
			39	23.29	1.54	24.83	<=30	Pass
		75	0	23.33	1.54	24.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	24.86	1.54	26.40	<=30	Pass
			50	24.90	1.54	26.44	<=30	Pass
			99	24.94	1.54	26.48	<=30	Pass
		50	0	24.29	1.54	25.83	<=30	Pass
			25	24.40	1.54	25.94	<=30	Pass
			50	24.41	1.54	25.95	<=30	Pass
		100	0	24.33	1.54	25.87	<=30	Pass
	1732.5	1	0	24.85	1.54	26.39	<=30	Pass
			50	24.84	1.54	26.38	<=30	Pass
			99	24.74	1.54	26.28	<=30	Pass
		50	0	24.36	1.54	25.90	<=30	Pass
			25	24.35	1.54	25.89	<=30	Pass
			50	24.27	1.54	25.81	<=30	Pass
		100	0	24.30	1.54	25.84	<=30	Pass
	1745	1	0	24.74	1.54	26.28	<=30	Pass
			50	24.71	1.54	26.25	<=30	Pass
			99	24.64	1.54	26.18	<=30	Pass
		50	0	24.28	1.54	25.82	<=30	Pass
			25	24.23	1.54	25.77	<=30	Pass
			50	24.24	1.54	25.78	<=30	Pass
		100	0	24.23	1.54	25.77	<=30	Pass

16QAM	1720	1	0	24.30	1.54	25.84	<=30	Pass
			50	24.28	1.54	25.82	<=30	Pass
			99	24.23	1.54	25.77	<=30	Pass
		50	0	23.56	1.54	25.10	<=30	Pass
			25	23.67	1.54	25.21	<=30	Pass
			50	23.67	1.54	25.21	<=30	Pass
		100	0	23.58	1.54	25.12	<=30	Pass
	1732.5	1	0	24.27	1.54	25.81	<=30	Pass
			50	24.25	1.54	25.79	<=30	Pass
			99	24.23	1.54	25.77	<=30	Pass
		50	0	23.61	1.54	25.15	<=30	Pass
			25	23.61	1.54	25.15	<=30	Pass
			50	23.58	1.54	25.12	<=30	Pass
		100	0	23.57	1.54	25.11	<=30	Pass
	1745	1	0	24.44	1.54	25.98	<=30	Pass
			50	24.47	1.54	26.01	<=30	Pass
			99	24.36	1.54	25.90	<=30	Pass
		50	0	23.53	1.54	25.07	<=30	Pass
			25	23.50	1.54	25.04	<=30	Pass
			50	23.51	1.54	25.05	<=30	Pass
		100	0	23.50	1.54	25.04	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	10.872	0.0064	-2.5 to 2.5	Pass
					3.85	-16.680	-0.0098	-2.5 to 2.5	Pass
					4.43	-15.750	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	9.627	0.0056	-2.5 to 2.5	Pass
				-20	3.85	-14.820	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-14.877	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				40	3.85	10.428	0.0061	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-9.656	-0.0056	-2.5 to 2.5	Pass
					3.85	6.509	0.0038	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-11.144	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	9.713	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-17.595	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-20.456	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-12.131	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-19.484	-0.0112	-2.5 to 2.5	Pass
				50	3.85	8.039	0.0046	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	1.059	0.0006	-2.5 to 2.5	Pass
					3.85	12.975	0.0074	-2.5 to 2.5	Pass

					4.43	-9.642	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-16.665	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-14.477	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	13.146	0.0075	-2.5 to 2.5	Pass
				0	3.85	14.005	0.0080	-2.5 to 2.5	Pass
				10	3.85	-2.718	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				40	3.85	11.215	0.0064	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0038	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-1.745	-0.0010	-2.5 to 2.5	Pass
					3.85	-16.007	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.134	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-18.582	-0.0109	-2.5 to 2.5	Pass
				0	3.85	14.291	0.0084	-2.5 to 2.5	Pass
				10	3.85	-16.093	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				40	3.85	6.881	0.0040	-2.5 to 2.5	Pass
				50	3.85	-14.434	-0.0084	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	3.419	0.0020	-2.5 to 2.5	Pass
					3.85	11.301	0.0065	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				10	3.85	5.822	0.0034	-2.5 to 2.5	Pass
				30	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				40	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				50	3.85	1.616	0.0009	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-11.344	-0.0065	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	7.925	0.0045	-2.5 to 2.5	Pass
				-30	3.85	-9.842	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-12.031	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				0	3.85	7.224	0.0041	-2.5 to 2.5	Pass
				10	3.85	-17.953	-0.0102	-2.5 to 2.5	Pass
				30	3.85	8.569	0.0049	-2.5 to 2.5	Pass
				40	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				50	3.85	11.344	0.0065	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-5.922	-0.0035	-2.5 to 2.5	Pass
					3.85	5.579	0.0033	-2.5 to 2.5	Pass
					4.43	-10.901	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-17.323	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-10.057	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-8.497	-0.0050	-2.5 to 2.5	Pass

				10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				30	3.85	5.021	0.0029	-2.5 to 2.5	Pass
				40	3.85	-12.760	-0.0075	-2.5 to 2.5	Pass
				50	3.85	2.332	0.0014	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.818	0.0016	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0055	-2.5 to 2.5	Pass
					4.43	15.249	0.0088	-2.5 to 2.5	Pass
				-30	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	10.242	0.0059	-2.5 to 2.5	Pass
				-10	3.85	8.354	0.0048	-2.5 to 2.5	Pass
				0	3.85	10.943	0.0063	-2.5 to 2.5	Pass
				10	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
				30	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				40	3.85	12.503	0.0072	-2.5 to 2.5	Pass
				50	3.85	12.903	0.0074	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.087	-0.0006	-2.5 to 2.5	Pass
					3.85	4.749	0.0027	-2.5 to 2.5	Pass
					4.43	-0.615	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-7.396	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	13.361	0.0076	-2.5 to 2.5	Pass
				0	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				10	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-11.787	-0.0069	-2.5 to 2.5	Pass
					3.85	9.069	0.0053	-2.5 to 2.5	Pass
					4.43	-11.501	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	8.054	0.0047	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	10.171	0.0059	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				40	3.85	12.131	0.0071	-2.5 to 2.5	Pass
				50	3.85	13.876	0.0081	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	14.420	0.0083	-2.5 to 2.5	Pass
					3.85	1.788	0.0010	-2.5 to 2.5	Pass
					4.43	11.358	0.0066	-2.5 to 2.5	Pass
				-30	3.85	9.584	0.0055	-2.5 to 2.5	Pass
				-20	3.85	-17.796	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0021	-2.5 to 2.5	Pass
				0	3.85	5.679	0.0033	-2.5 to 2.5	Pass
				10	3.85	10.772	0.0062	-2.5 to 2.5	Pass
				30	3.85	9.899	0.0057	-2.5 to 2.5	Pass
				40	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				50	3.85	12.059	0.0070	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	9.270	0.0053	-2.5 to 2.5	Pass
					3.85	6.566	0.0037	-2.5 to 2.5	Pass
					4.43	4.563	0.0026	-2.5 to 2.5	Pass
				-30	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-20	3.85	9.942	0.0057	-2.5 to 2.5	Pass
				-10	3.85	-16.894	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-16.451	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-17.409	-0.0099	-2.5 to 2.5	Pass
				30	3.85	11.058	0.0063	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-1.373	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-0.529	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				0	3.85	9.470	0.0055	-2.5 to 2.5	Pass
				10	3.85	-9.313	-0.0054	-2.5 to 2.5	Pass
				30	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				50	3.85	7.238	0.0042	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	11.659	0.0067	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
					4.43	1.631	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				0	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				30	3.85	6.566	0.0038	-2.5 to 2.5	Pass
				40	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0002	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.431	-0.0008	-2.5 to 2.5	Pass
					3.85	2.546	0.0015	-2.5 to 2.5	Pass
					4.43	-3.219	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-10.486	-0.0060	-2.5 to 2.5	Pass
				40	3.85	3.963	0.0023	-2.5 to 2.5	Pass
				50	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	8.869	0.0052	-2.5 to 2.5	Pass
					3.85	9.270	0.0054	-2.5 to 2.5	Pass
					4.43	3.562	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				-10	3.85	8.311	0.0049	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-8.798	-0.0051	-2.5 to 2.5	Pass
				30	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				40	3.85	8.082	0.0047	-2.5 to 2.5	Pass
				50	3.85	1.330	0.0008	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.702	-0.0010	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	2.403	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass

				-10	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				0	3.85	6.752	0.0039	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-13.433	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.705	0.0021	-2.5 to 2.5	Pass
					3.85	8.941	0.0051	-2.5 to 2.5	Pass
					4.43	-3.562	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				10	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				30	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				40	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				50	3.85	-11.272	-0.0064	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-2.031	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-9.899	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.386	-0.0002	-2.5 to 2.5	Pass
					3.85	3.204	0.0018	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.488	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				40	3.85	3.490	0.0020	-2.5 to 2.5	Pass

				50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.760	0.0010	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
					4.43	1.059	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.202	0.0007	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-3.262	-0.0019	-2.5 to 2.5	Pass
					3.85	2.518	0.0015	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-8.011	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-6.895	-0.0039	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
					4.43	3.219	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				40	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-1.845	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.43	0.086	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.035	-0.0029	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
					4.43	3.591	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass

				-20	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				-10	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				50	3.85	2.017	0.0012	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.748	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
					4.43	1.402	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-4.106	-0.0023	-2.5 to 2.5	Pass
				30	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	0.257	0.0001	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0030	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0008	-2.5 to 2.5	Pass
				50	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-7.367	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	1.245	0.0007	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-8.712	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-7.052	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				40	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0006	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-1.059	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-10	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass
				10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				40	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.661	0.0015	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.473	-0.0009	-2.5 to 2.5	Pass
					3.85	1.731	0.0010	-2.5 to 2.5	Pass
					4.43	-7.625	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				10	3.85	-8.955	-0.0052	-2.5 to 2.5	Pass
				30	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.180	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	3.762	0.0022	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
					4.43	-9.112	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				30	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				40	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0005	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	5.436	0.0032	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.719	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				0	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				30	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.749	-0.0027	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.955	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0016	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-1.960	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0010	-2.5 to 2.5	Pass

					4.43	-6.866	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				50	3.85	2.375	0.0014	-2.5 to 2.5	Pass

3. Modulation Characteristics

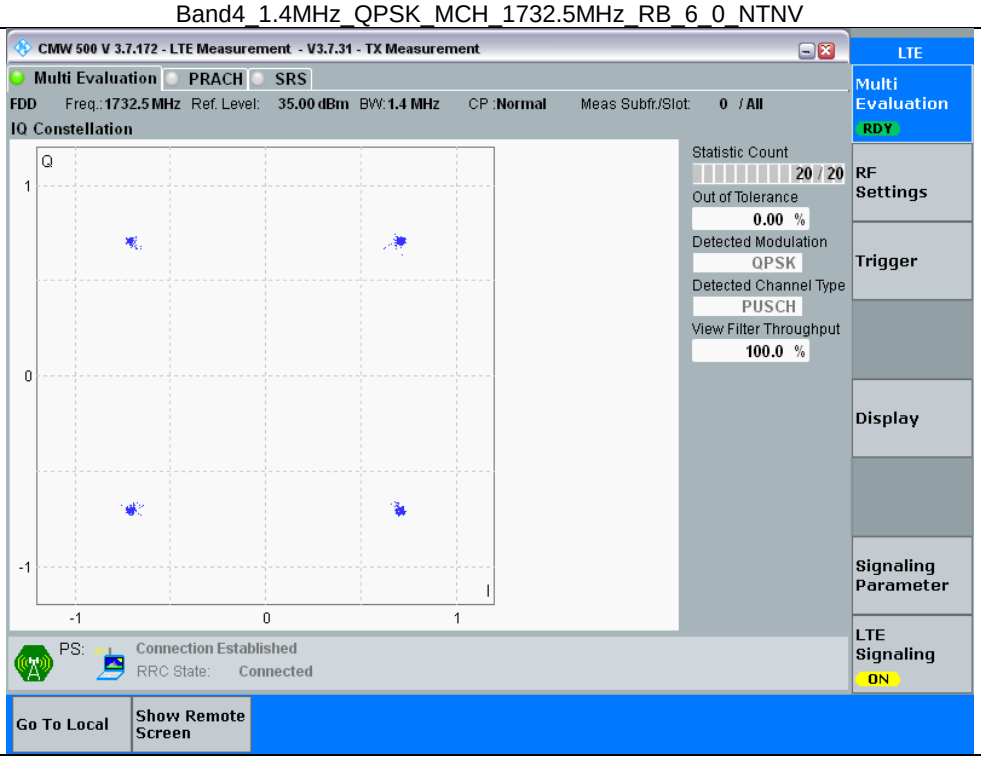
3.1 B4_1.4MHz

3.1.1 Test Result

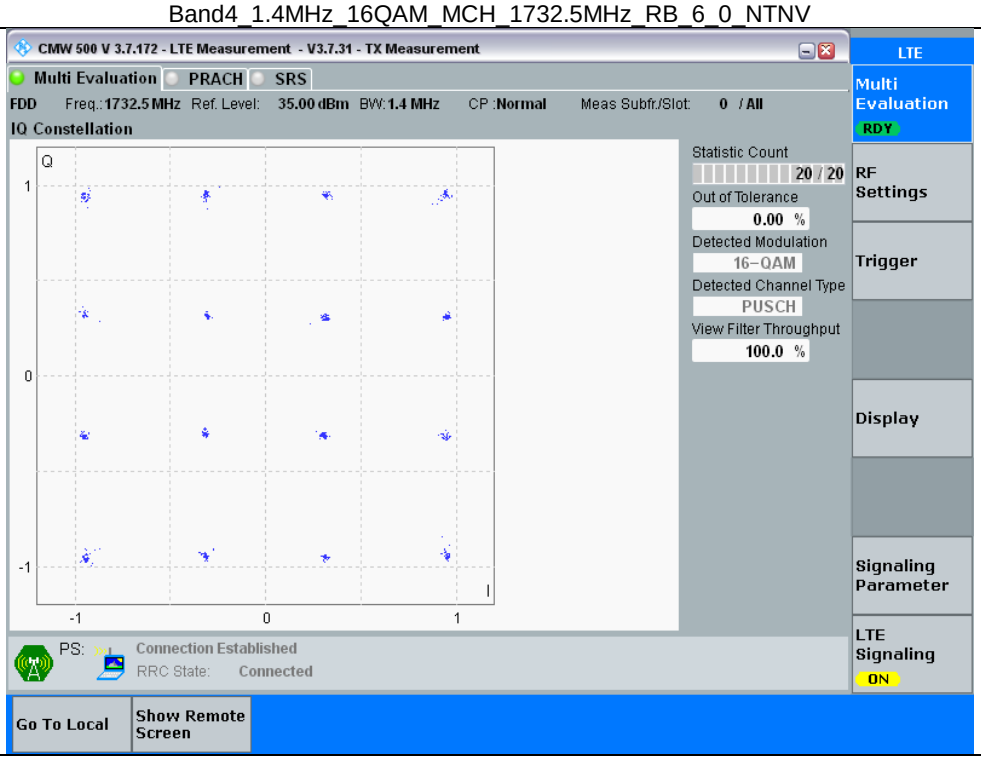
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



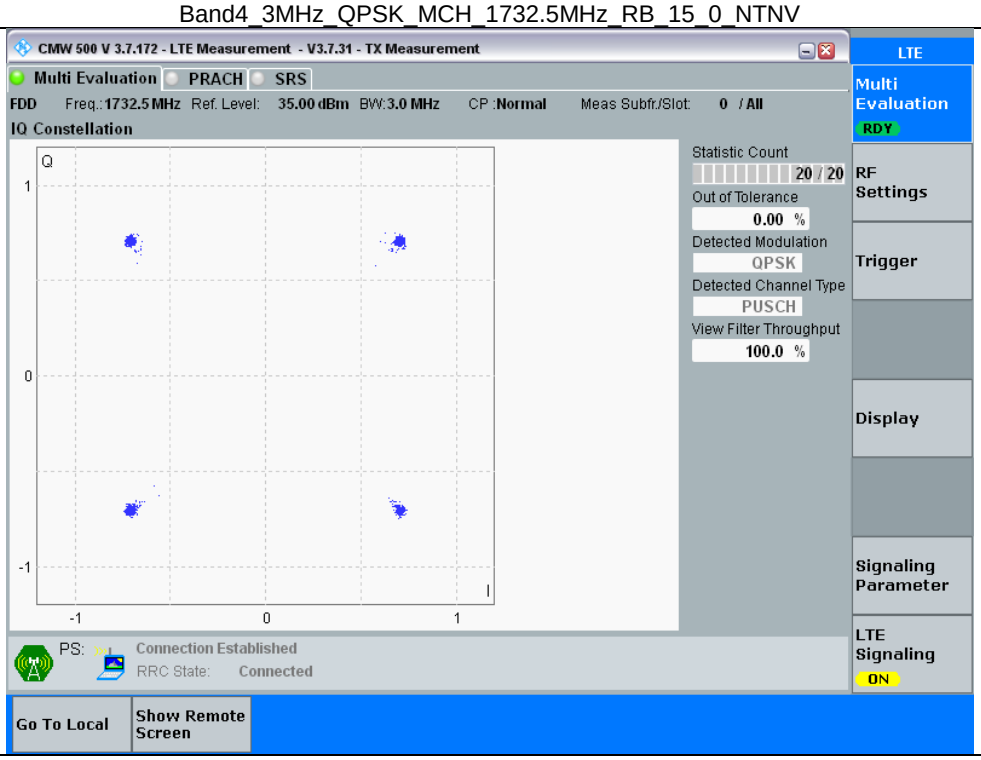
3.2 B4_3MHz

3.2.1 Test Result

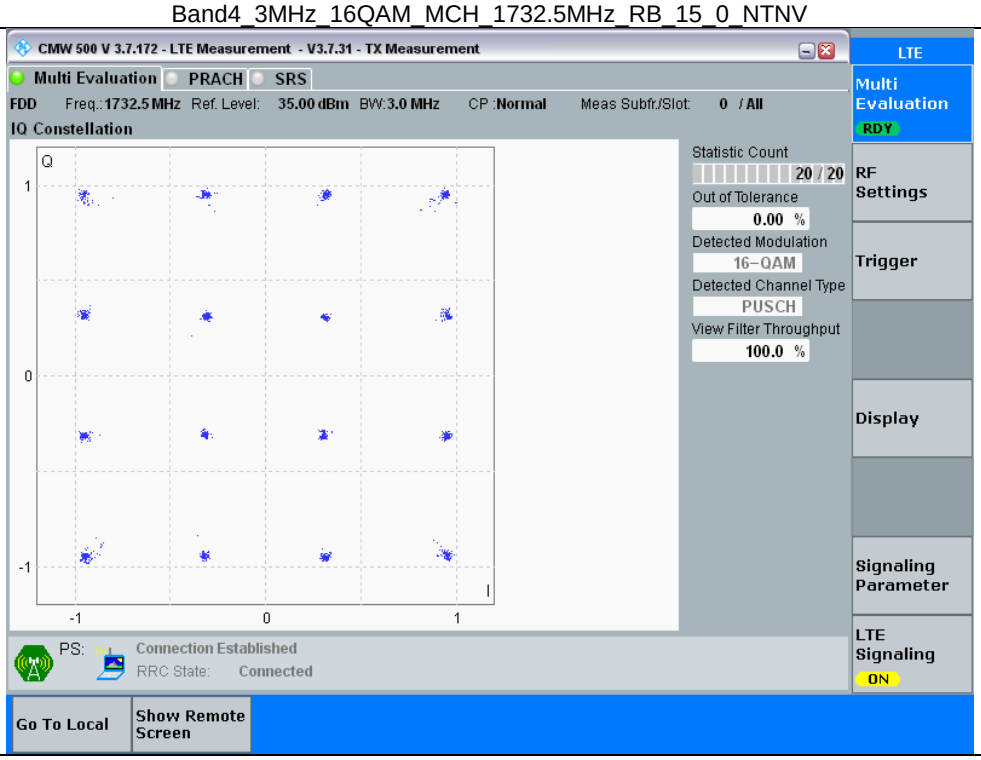
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



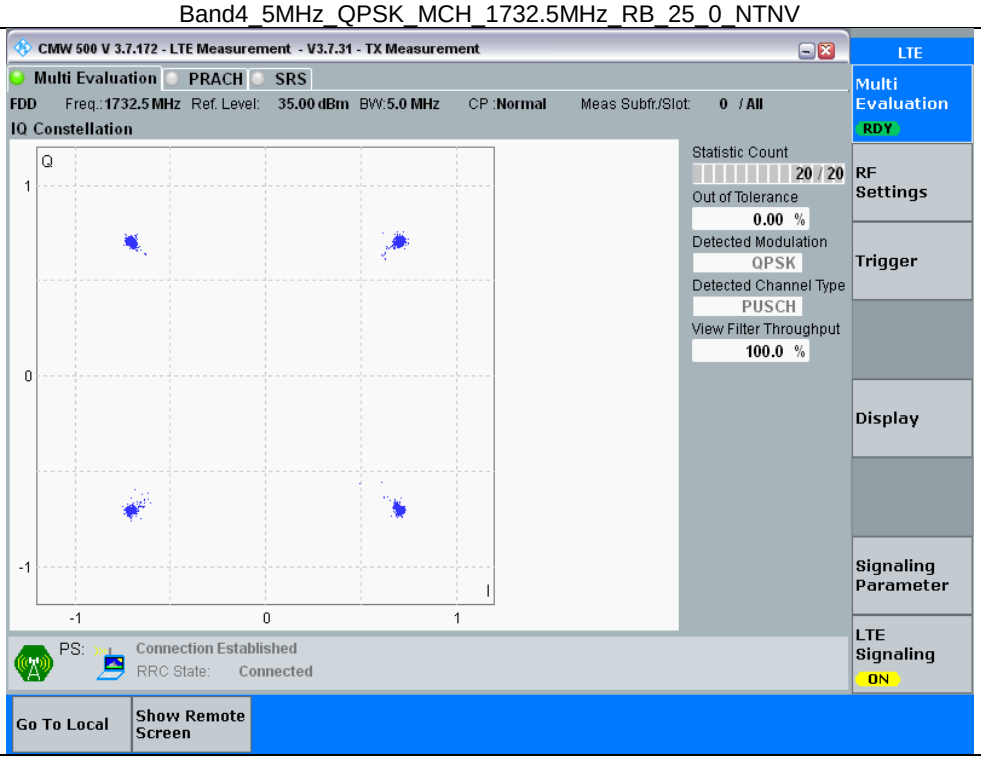
3.3 B4_5MHz

3.3.1 Test Result

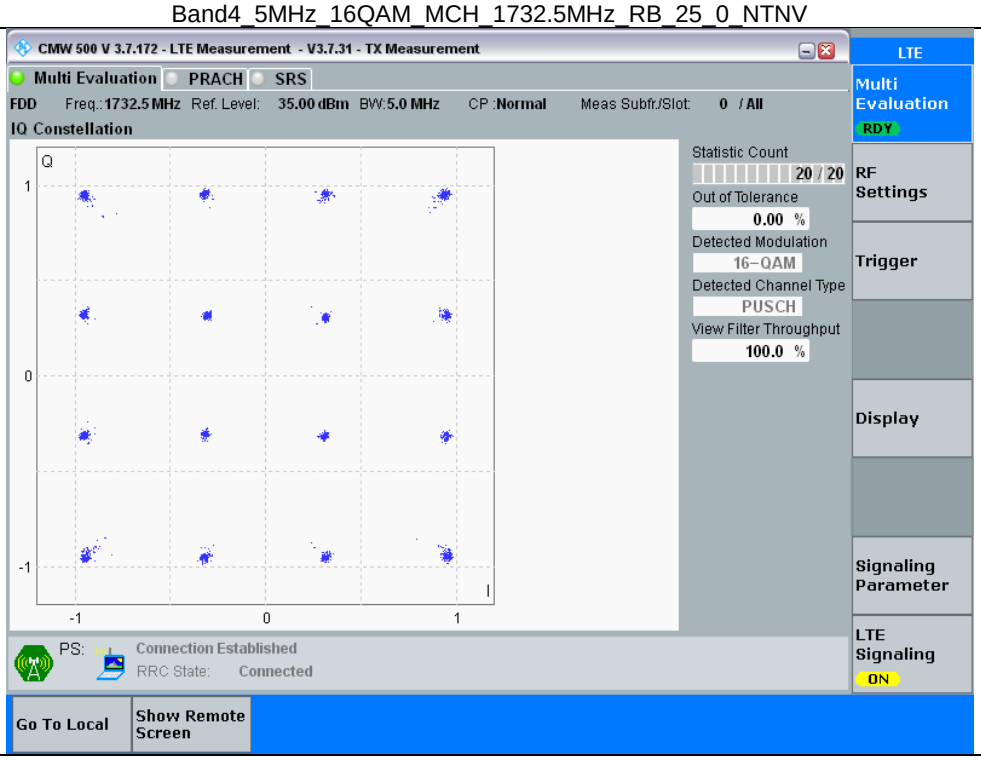
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



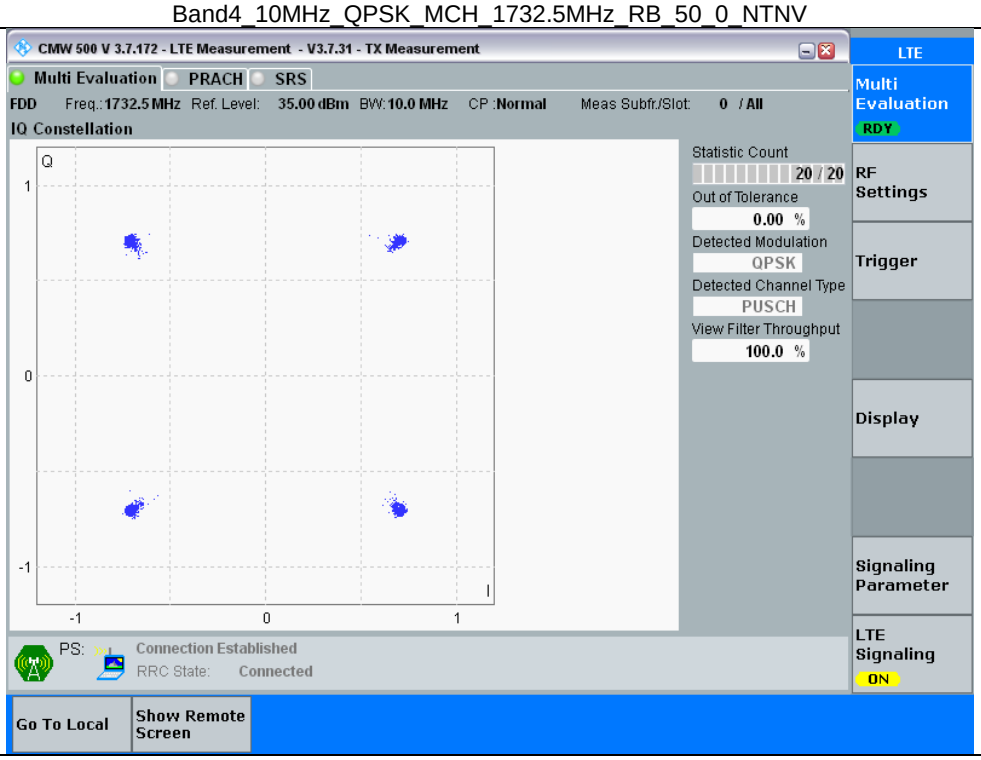
3.4 B4_10MHz

3.4.1 Test Result

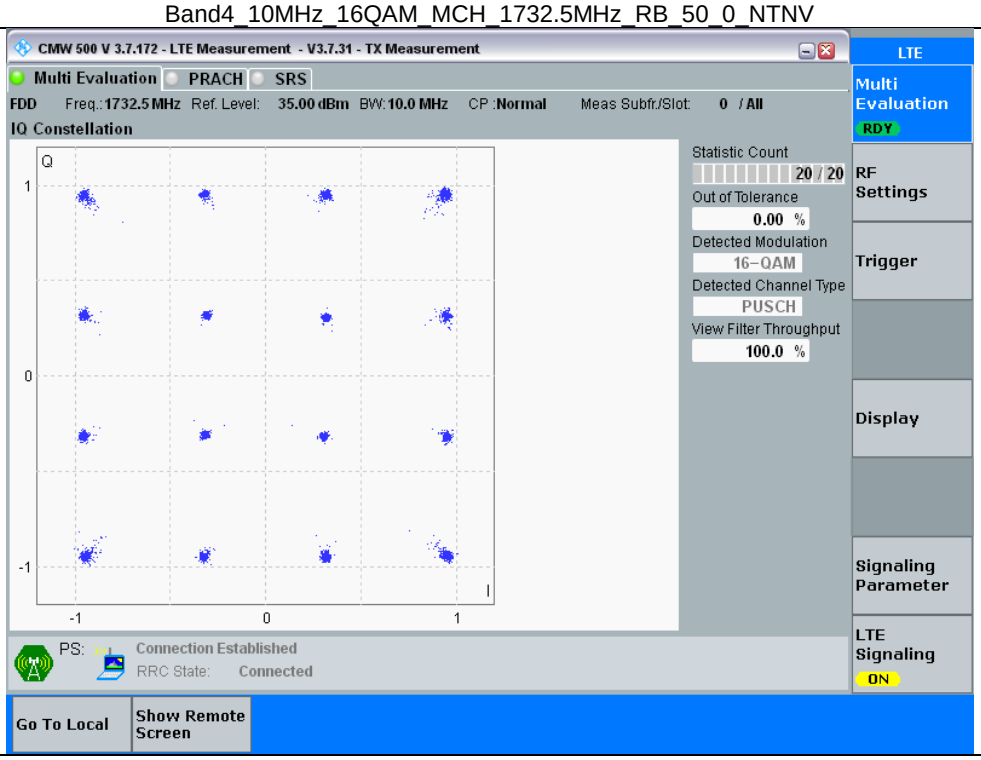
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



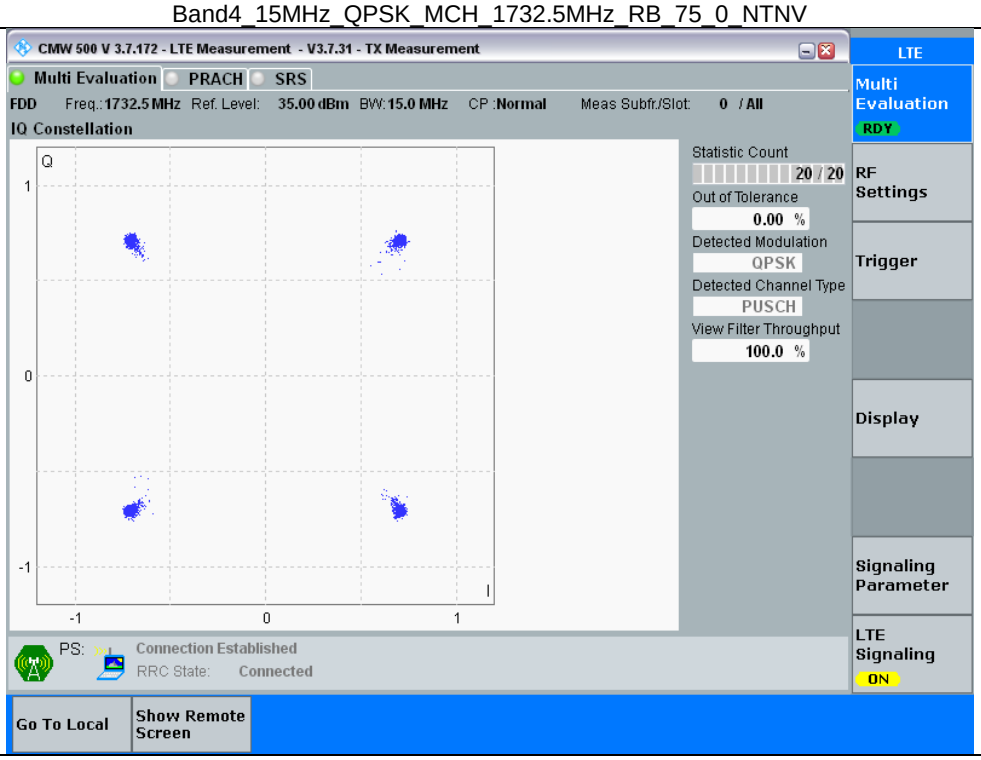
3.5 B4_15MHz

3.5.1 Test Result

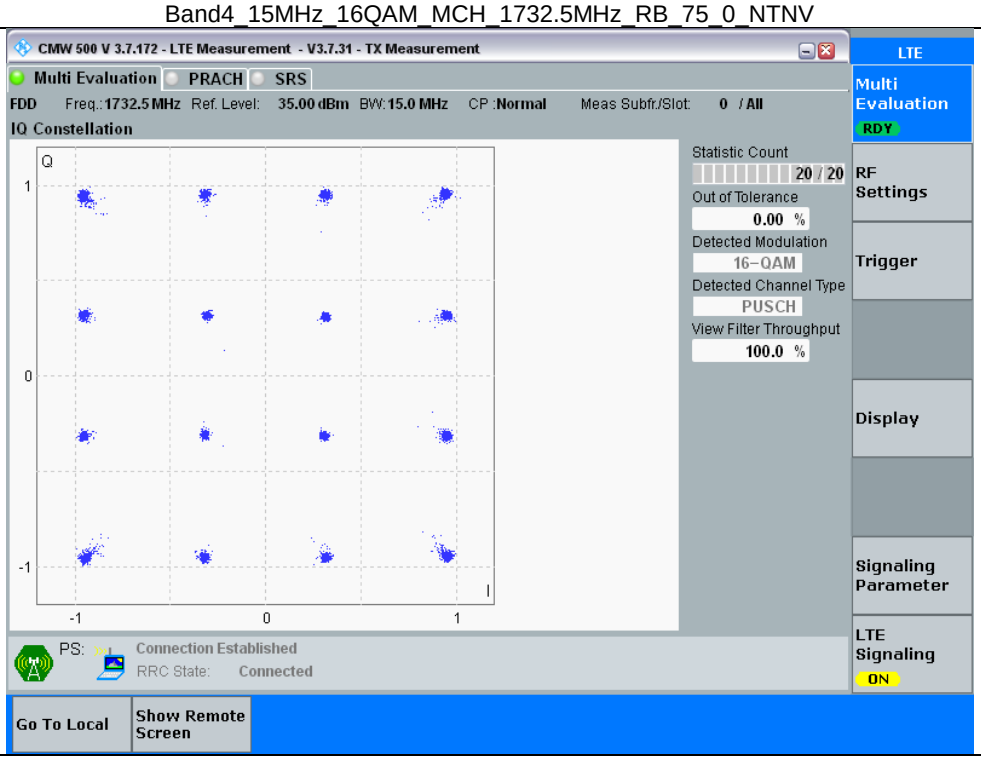
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



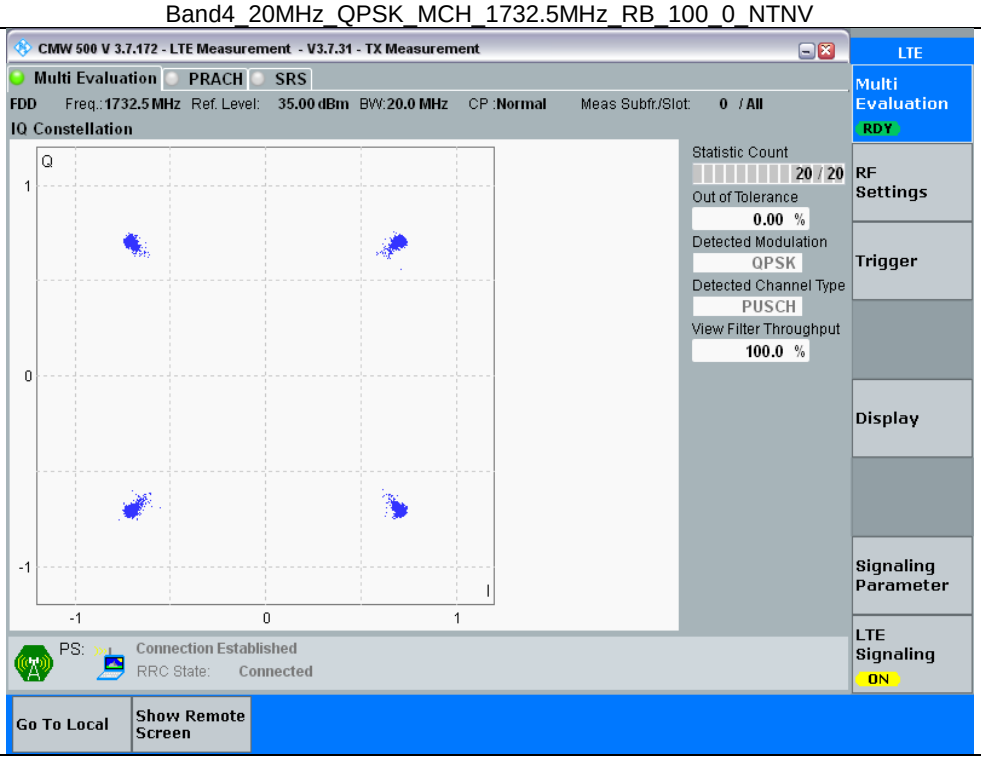
3.6 B4_20MHz

3.6.1 Test Result

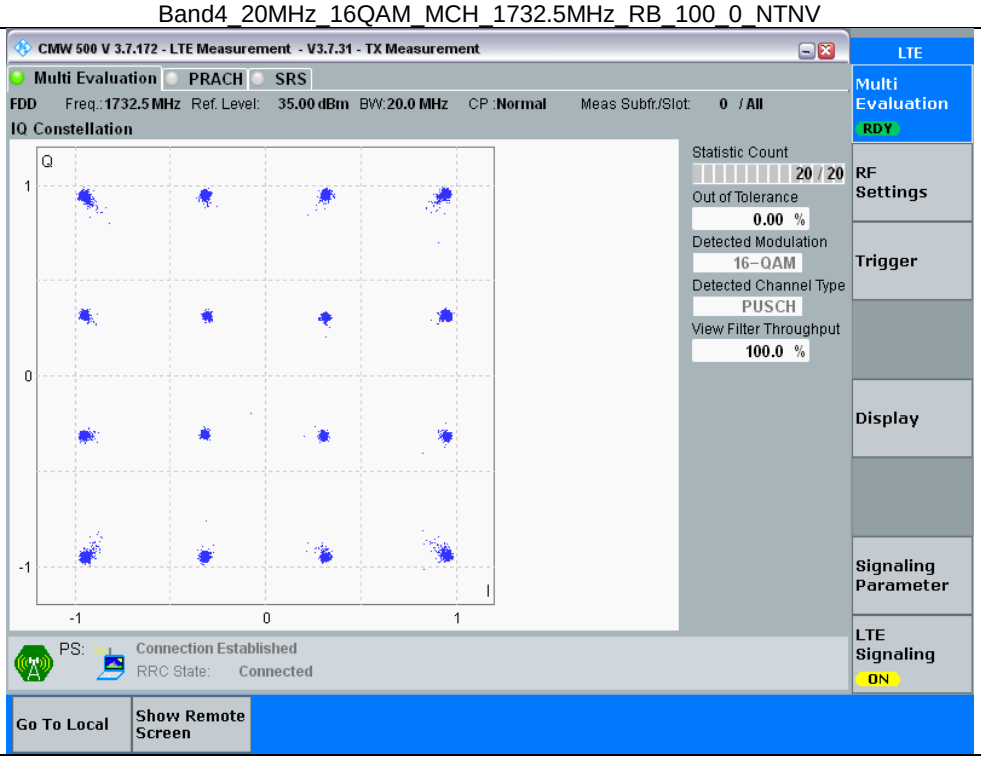
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

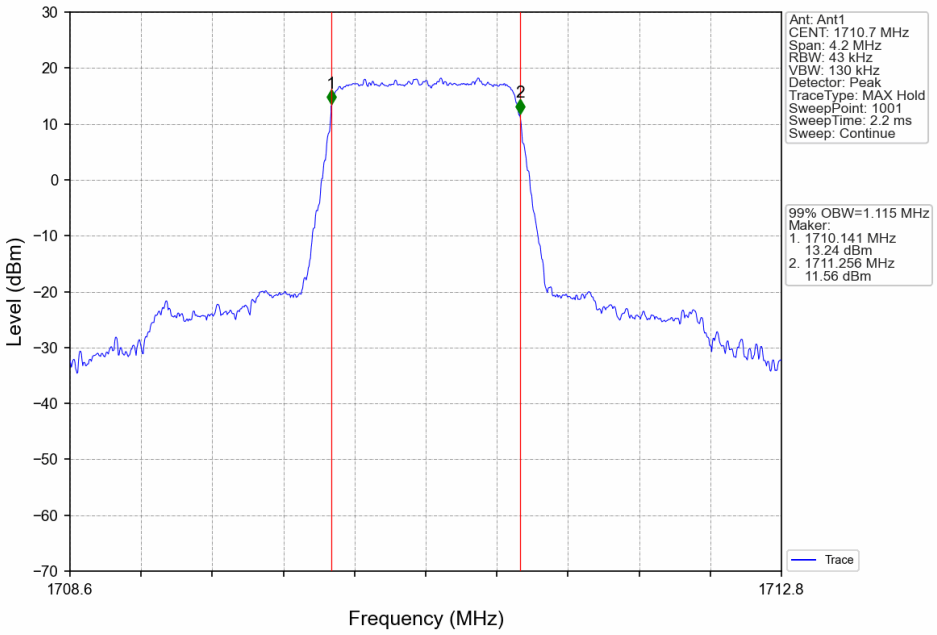
4.1 Band4_OBW

4.1.1 Test Result

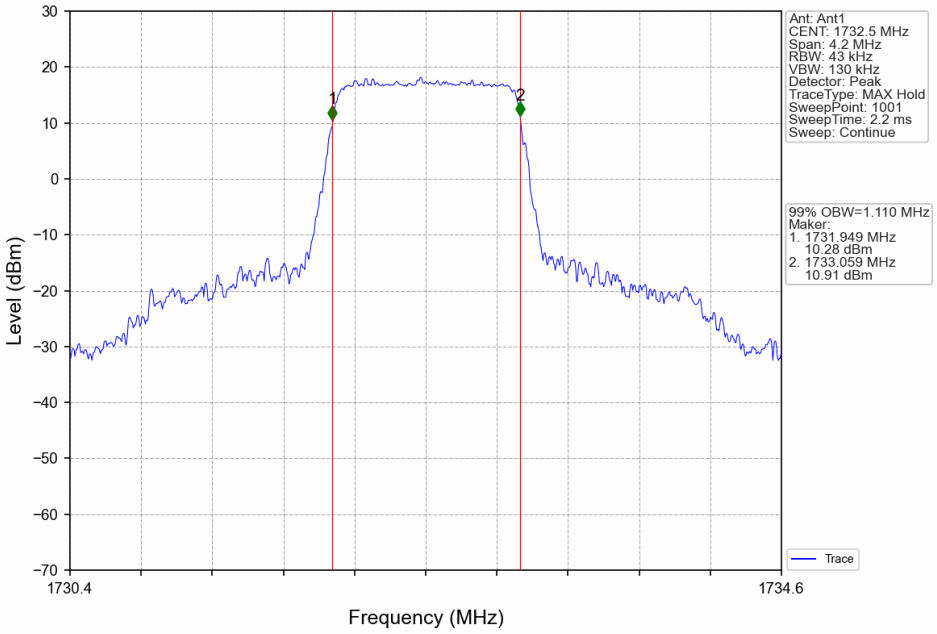
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.105	/	Pass
		1754.3	6	0	1.115	/	Pass
3	QPSK	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.740	/	Pass
	16QAM	1711.5	15	0	2.738	/	Pass
		1732.5	15	0	2.736	/	Pass
		1753.5	15	0	2.729	/	Pass
5	QPSK	1712.5	25	0	4.546	/	Pass
		1732.5	25	0	4.560	/	Pass
		1752.5	25	0	4.548	/	Pass
	16QAM	1712.5	25	0	4.565	/	Pass
		1732.5	25	0	4.540	/	Pass
		1752.5	25	0	4.581	/	Pass
10	QPSK	1715	50	0	9.056	/	Pass
		1732.5	50	0	9.051	/	Pass
		1750	50	0	9.034	/	Pass
	16QAM	1715	50	0	9.047	/	Pass
		1732.5	50	0	9.032	/	Pass
		1750	50	0	9.029	/	Pass
15	QPSK	1717.5	75	0	13.552	/	Pass
		1732.5	75	0	13.588	/	Pass
		1747.5	75	0	13.596	/	Pass
	16QAM	1717.5	75	0	13.571	/	Pass
		1732.5	75	0	13.590	/	Pass
		1747.5	75	0	13.587	/	Pass
20	QPSK	1720	100	0	18.035	/	Pass
		1732.5	100	0	18.069	/	Pass
		1745	100	0	18.067	/	Pass
	16QAM	1720	100	0	18.076	/	Pass
		1732.5	100	0	18.074	/	Pass
		1745	100	0	18.110	/	Pass

4.1.2 Test Graph

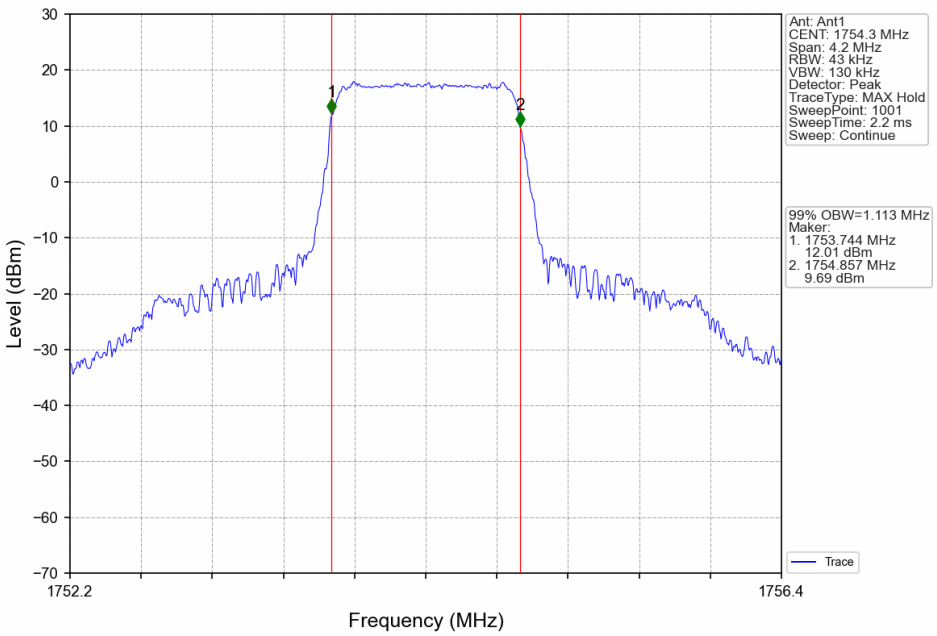
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



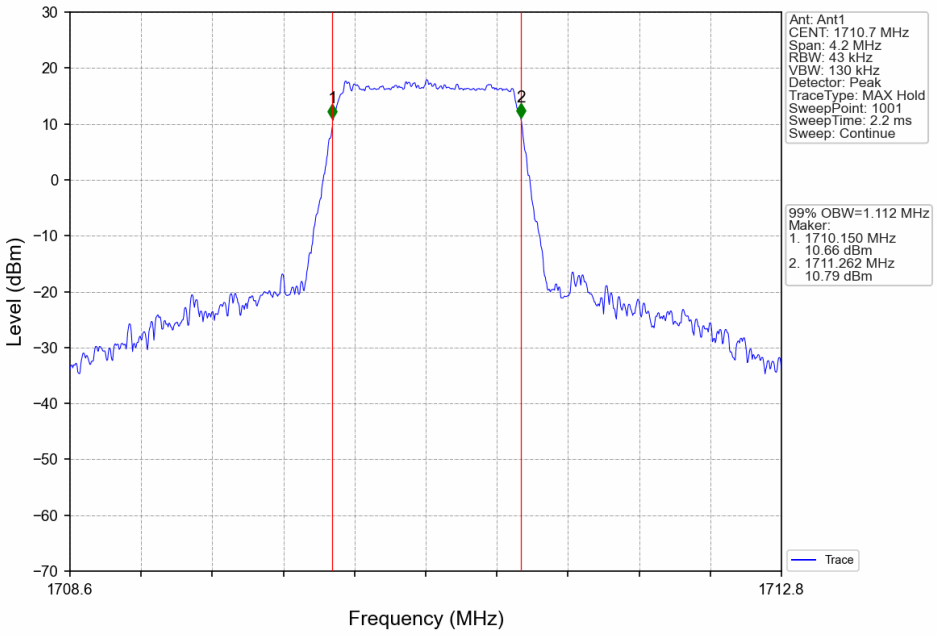
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



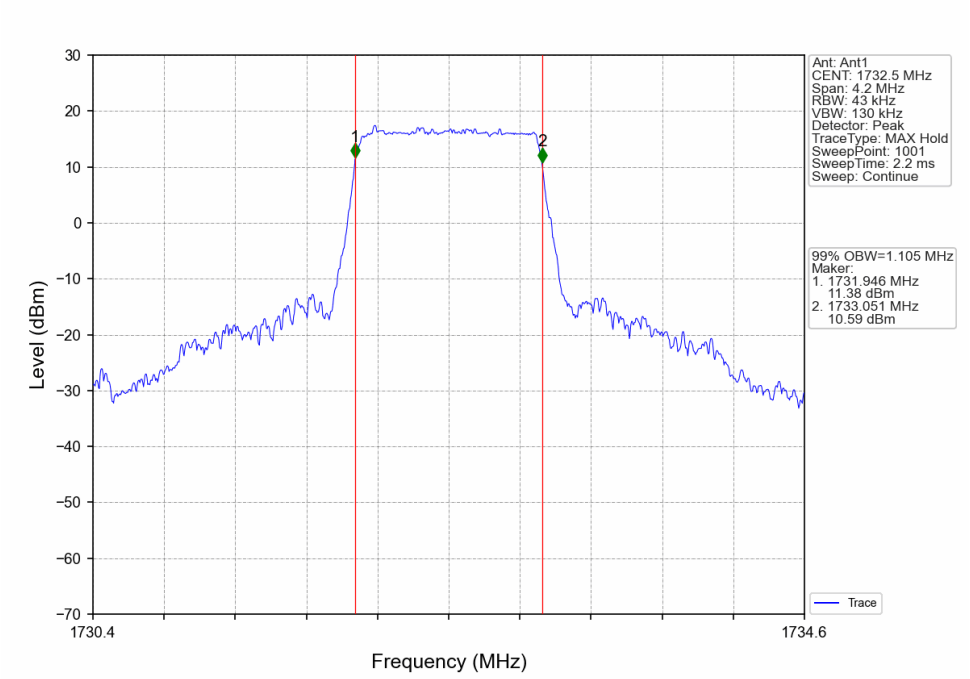
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



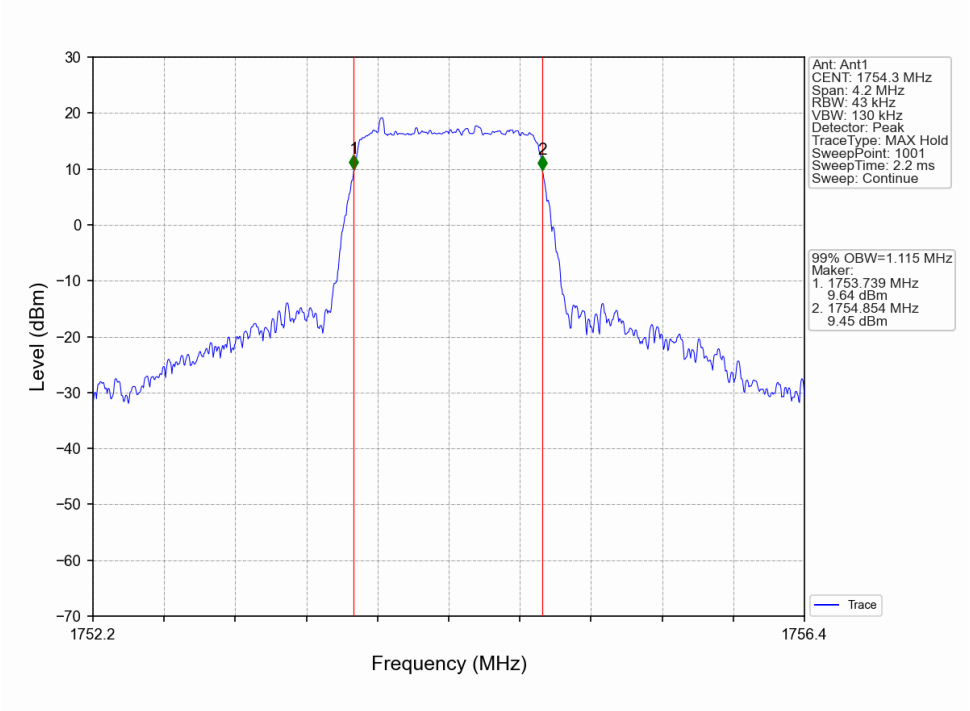
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



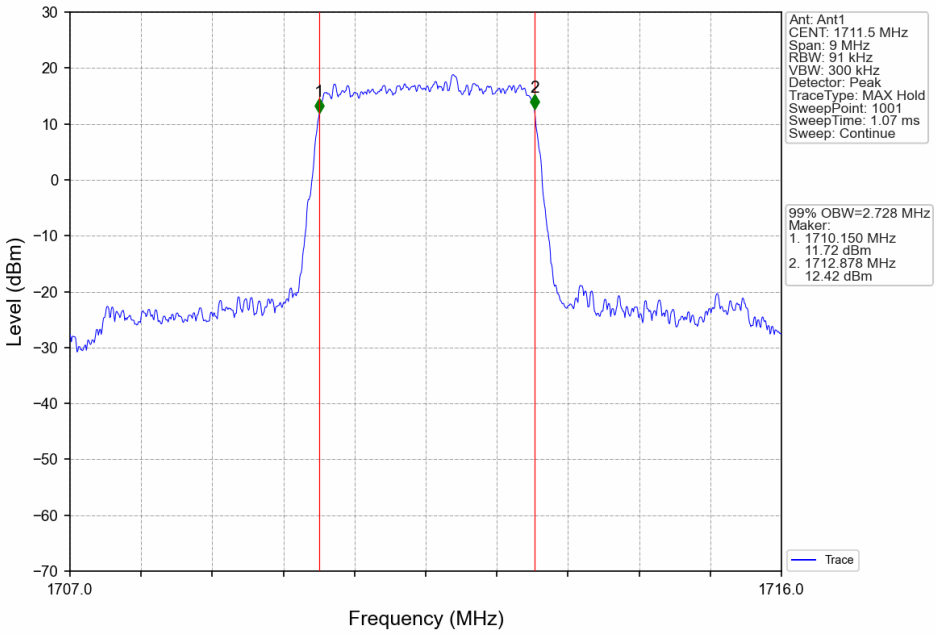
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



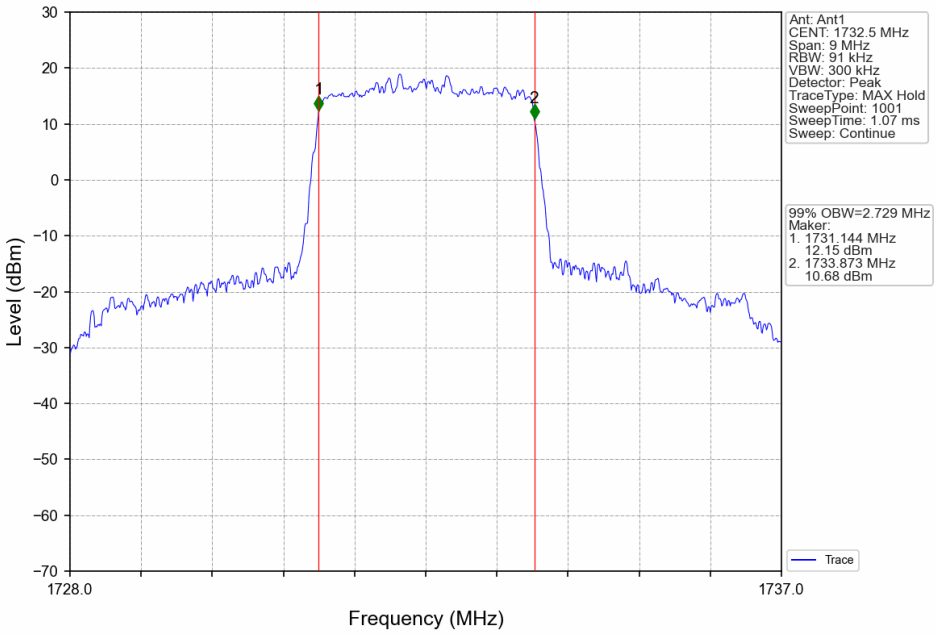
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



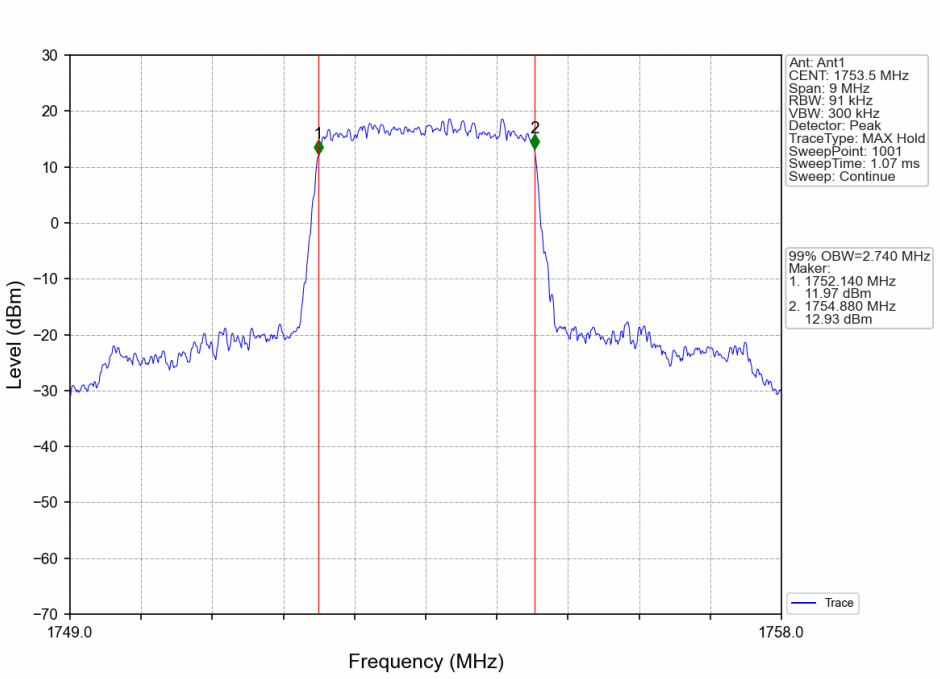
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



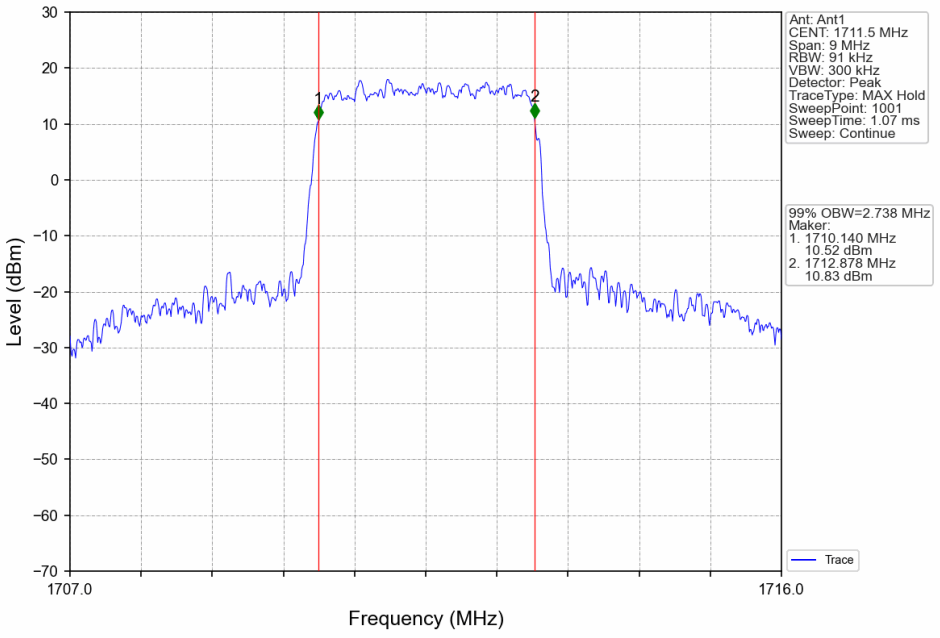
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



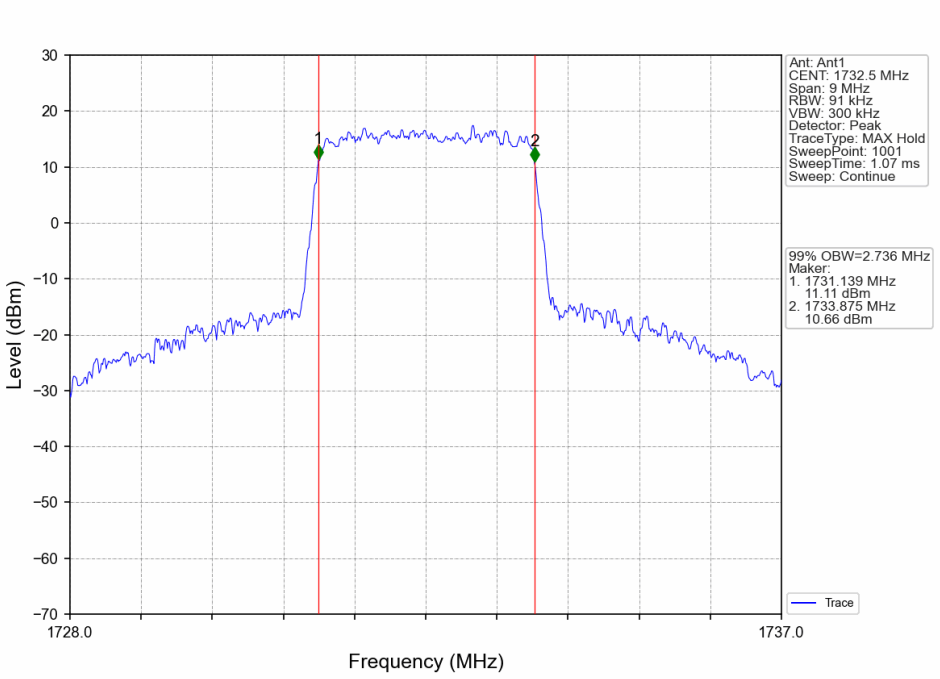
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



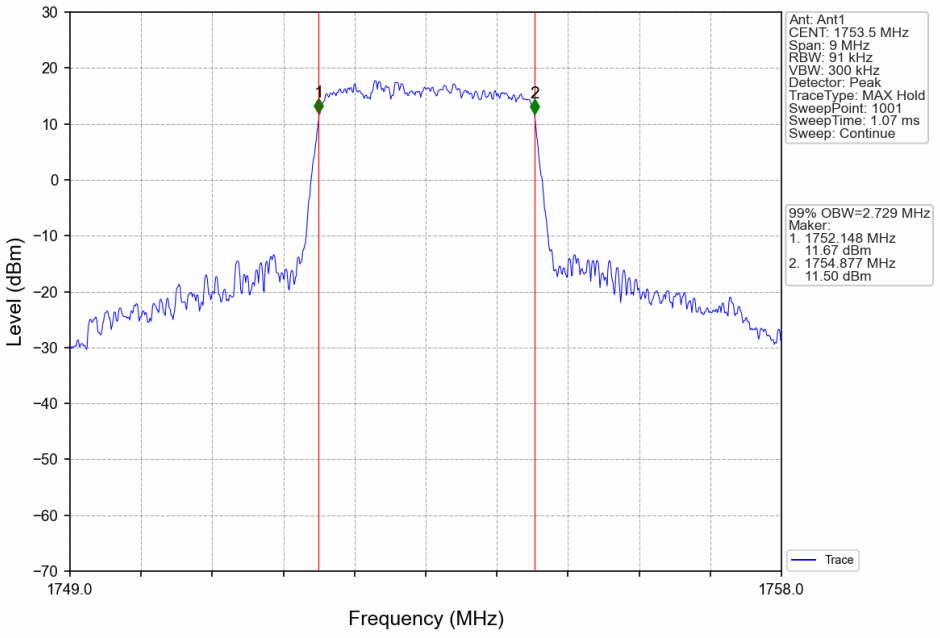
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



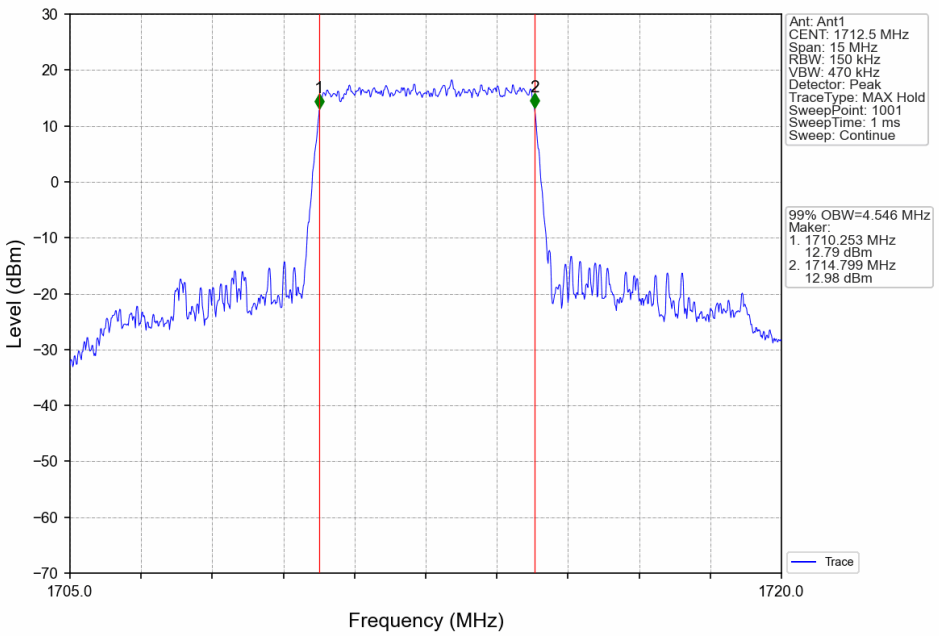
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



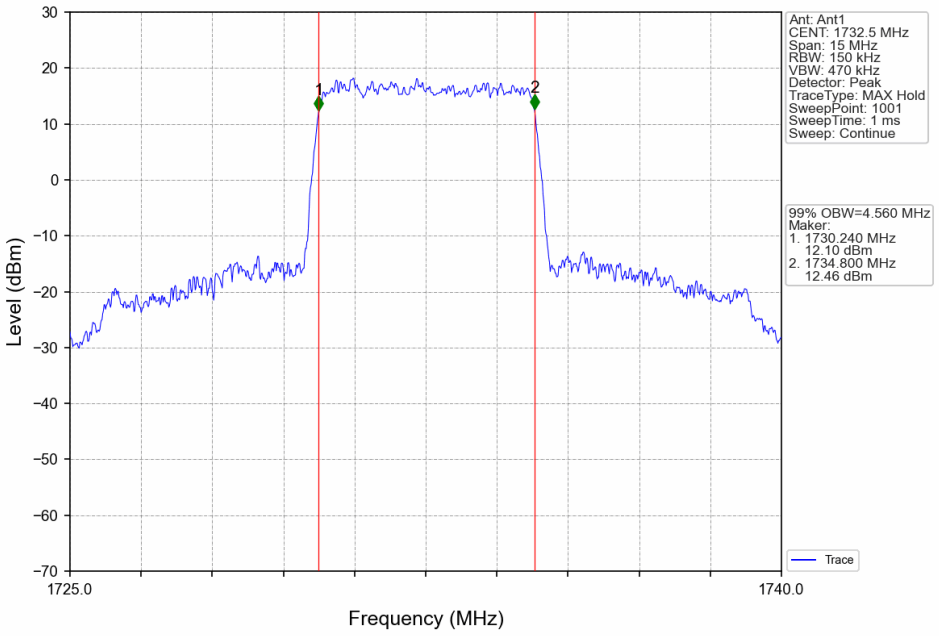
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



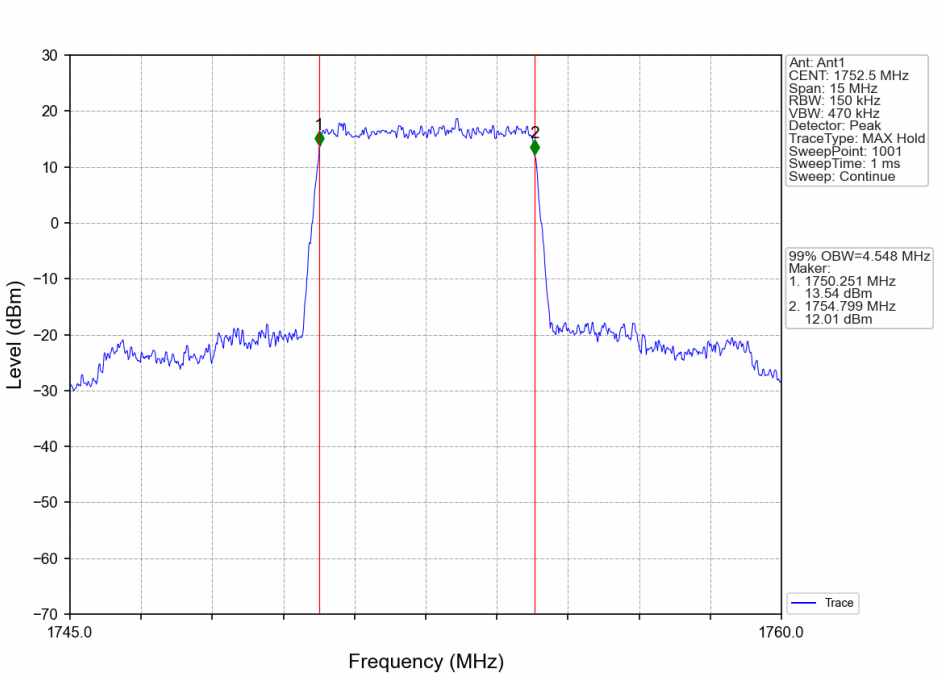
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



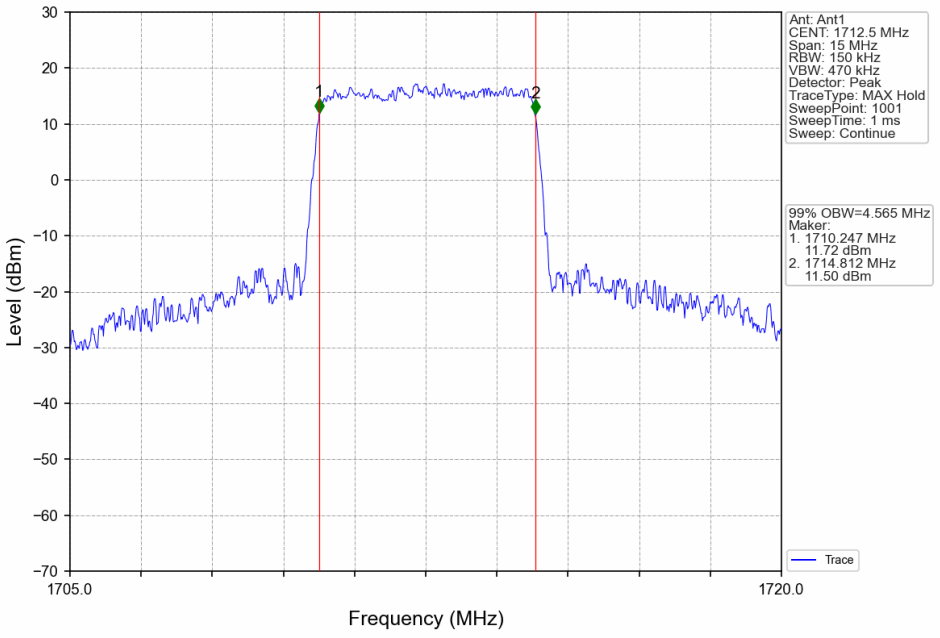
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



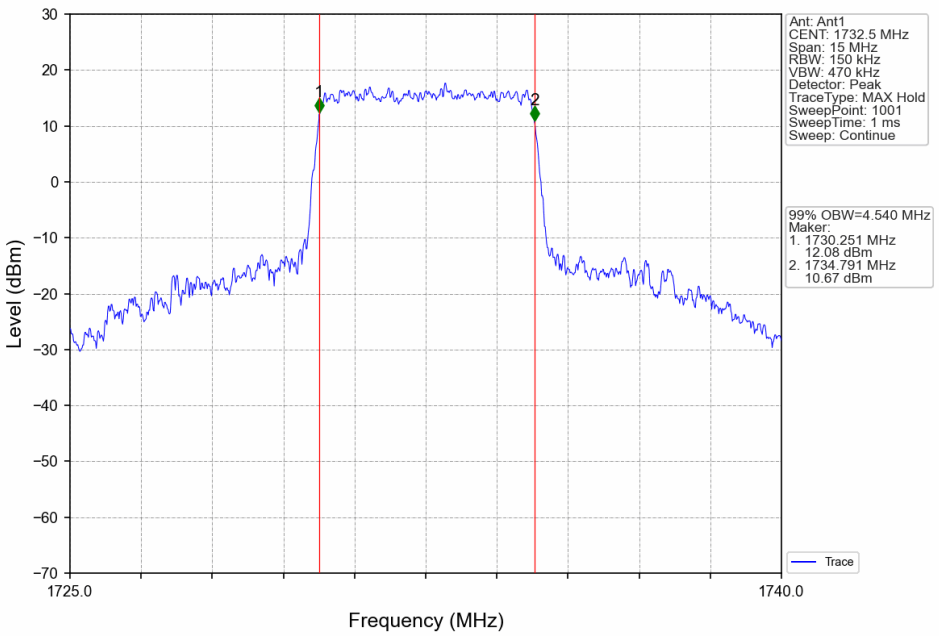
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



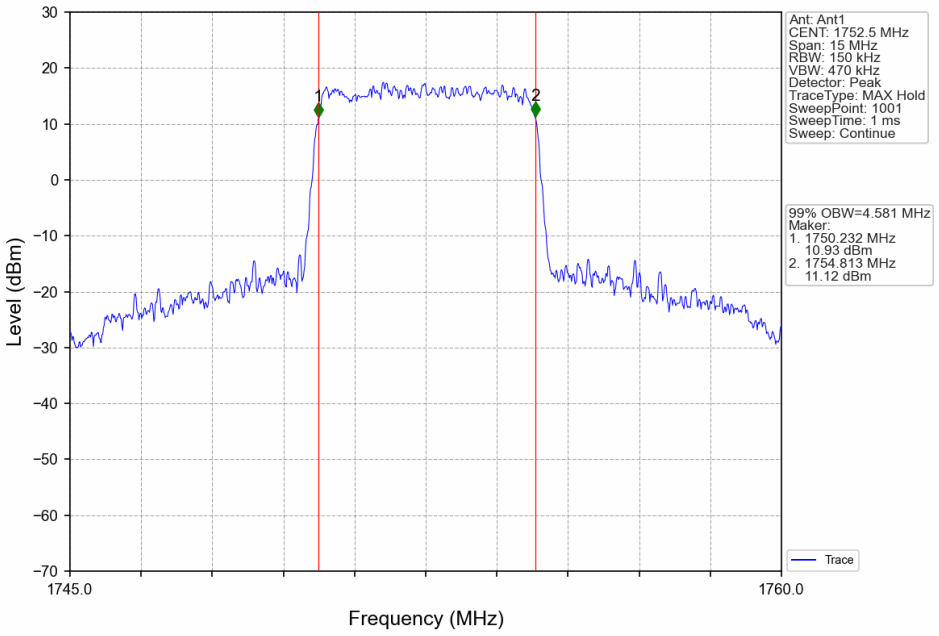
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



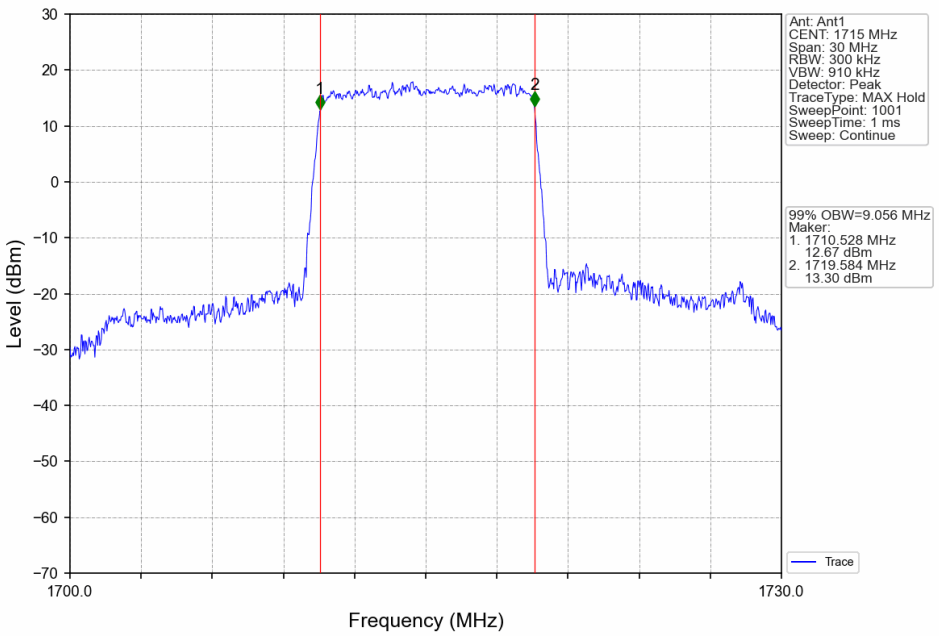
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



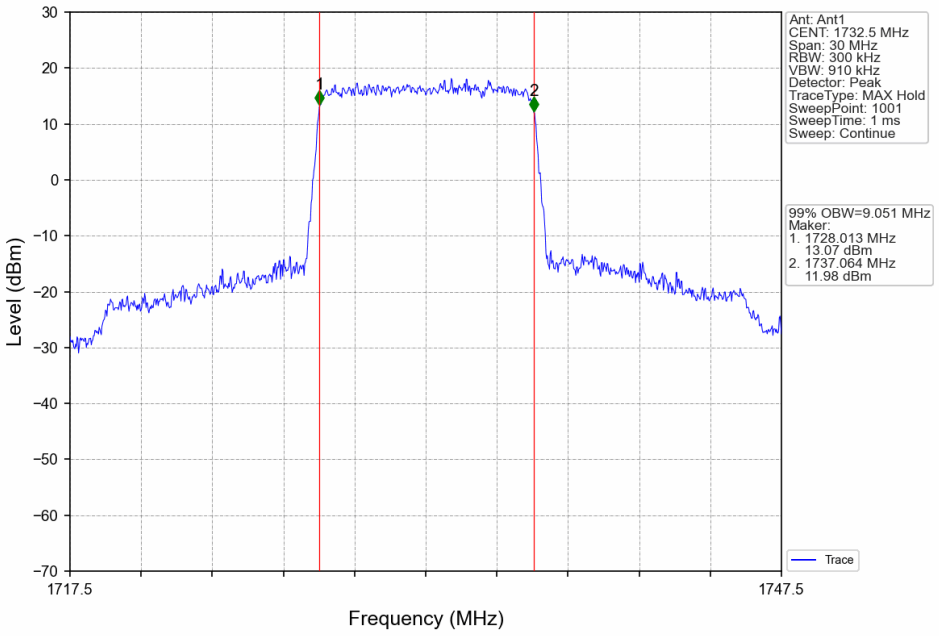
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



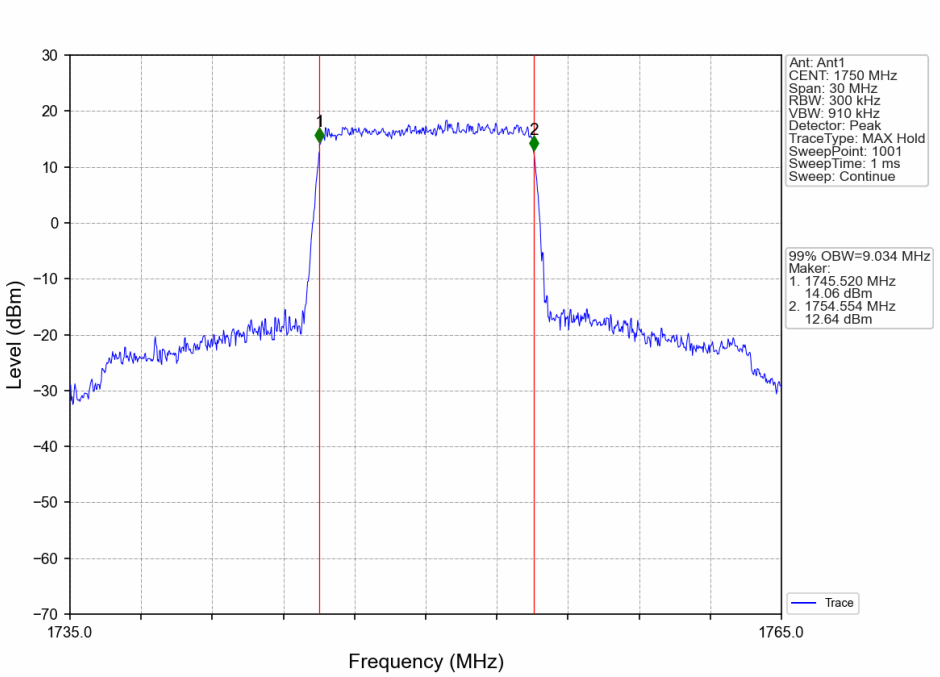
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



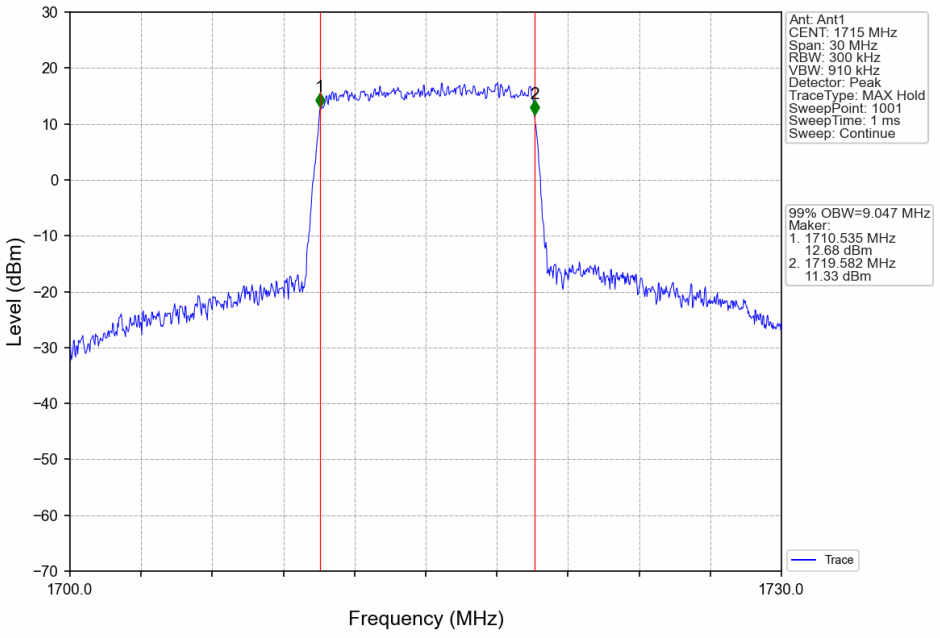
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



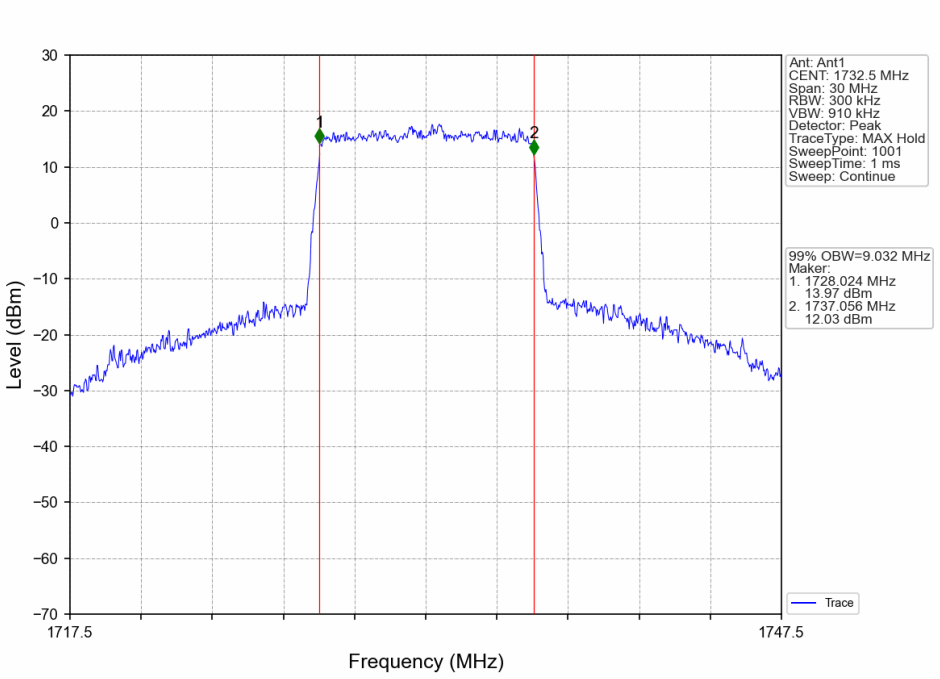
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



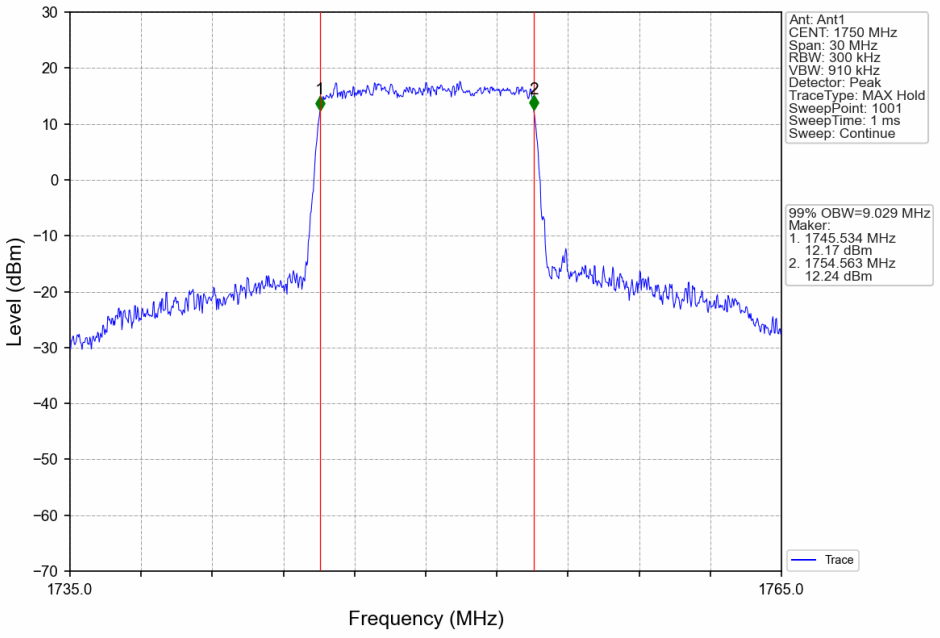
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



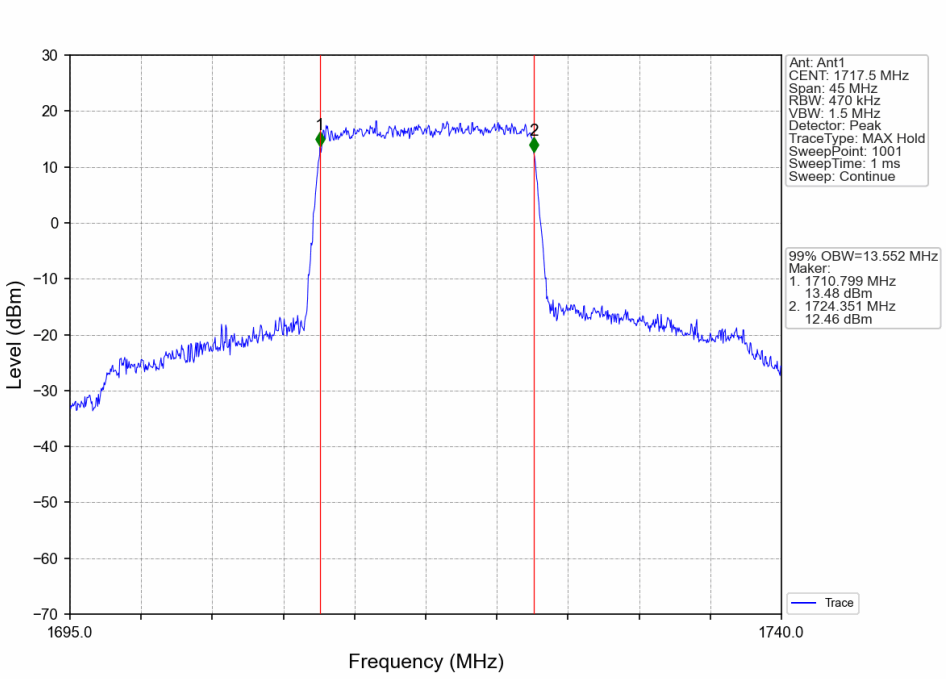
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



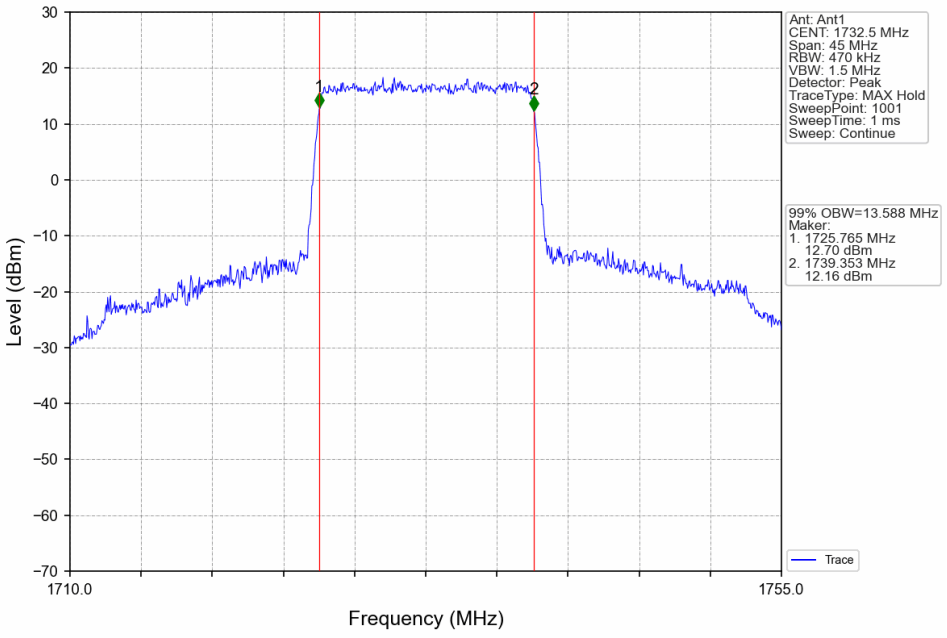
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



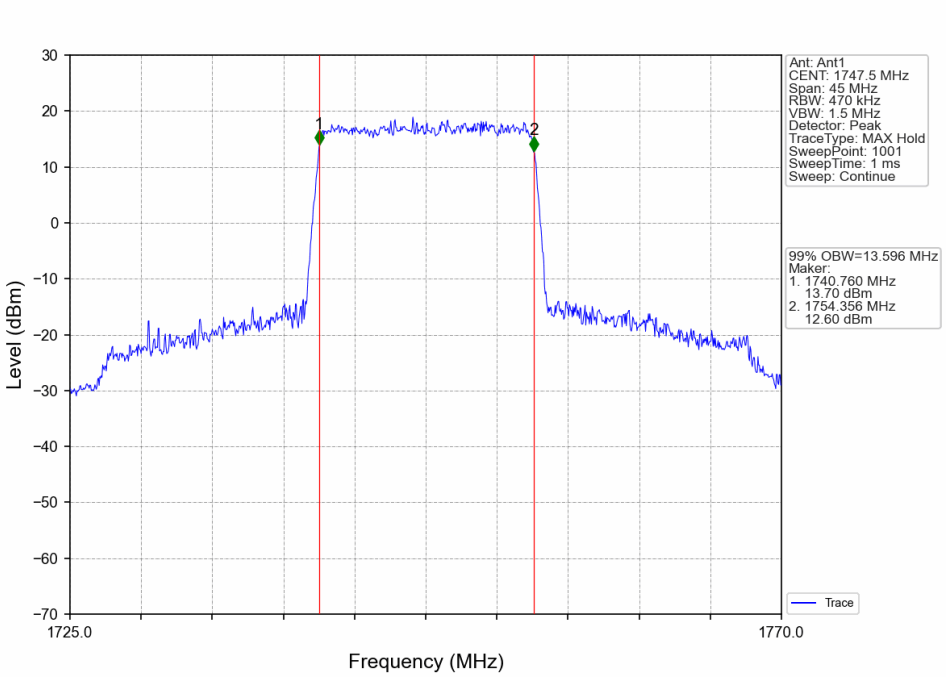
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



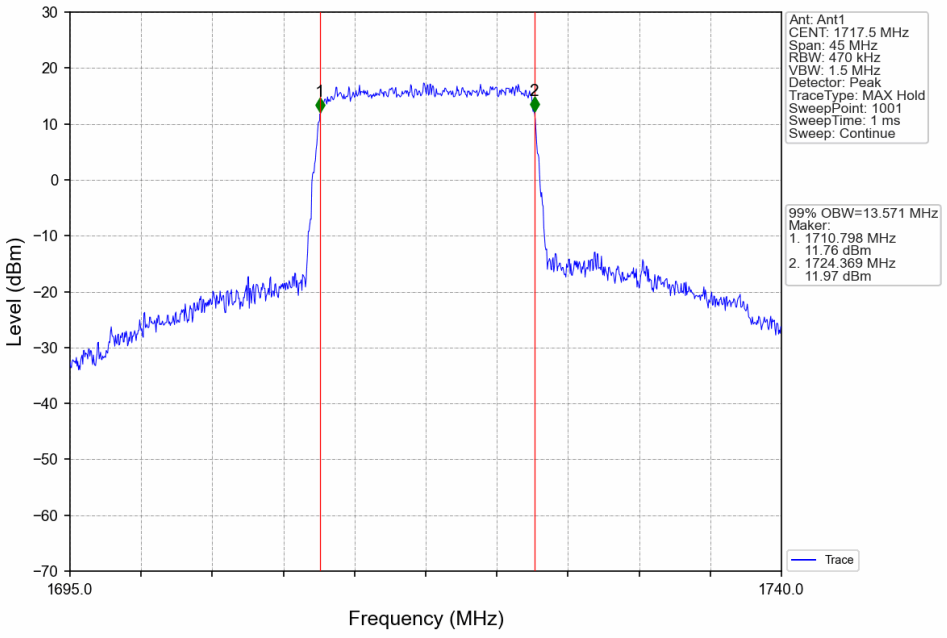
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



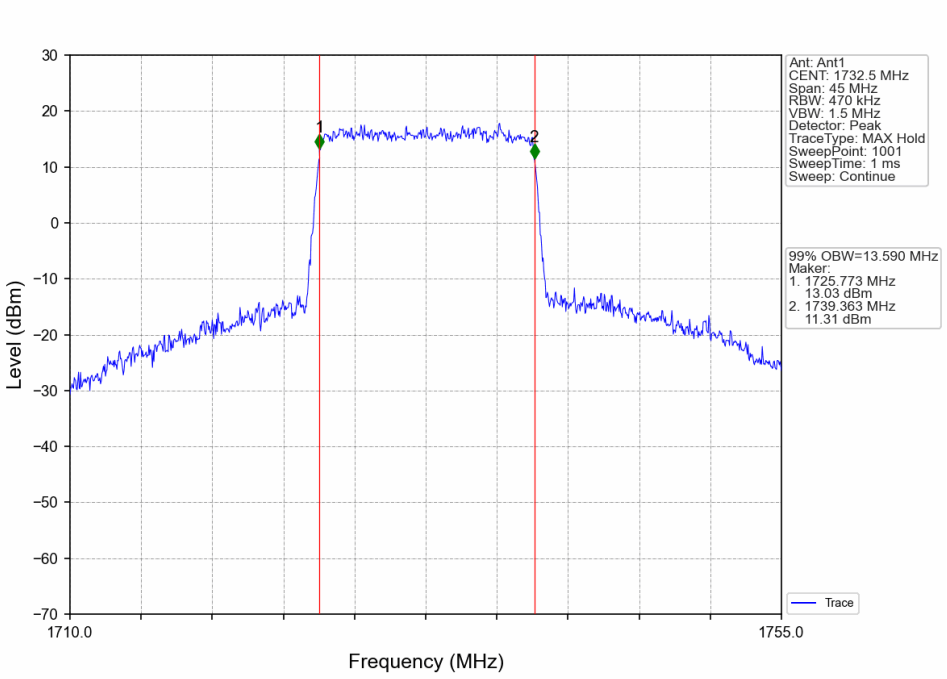
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



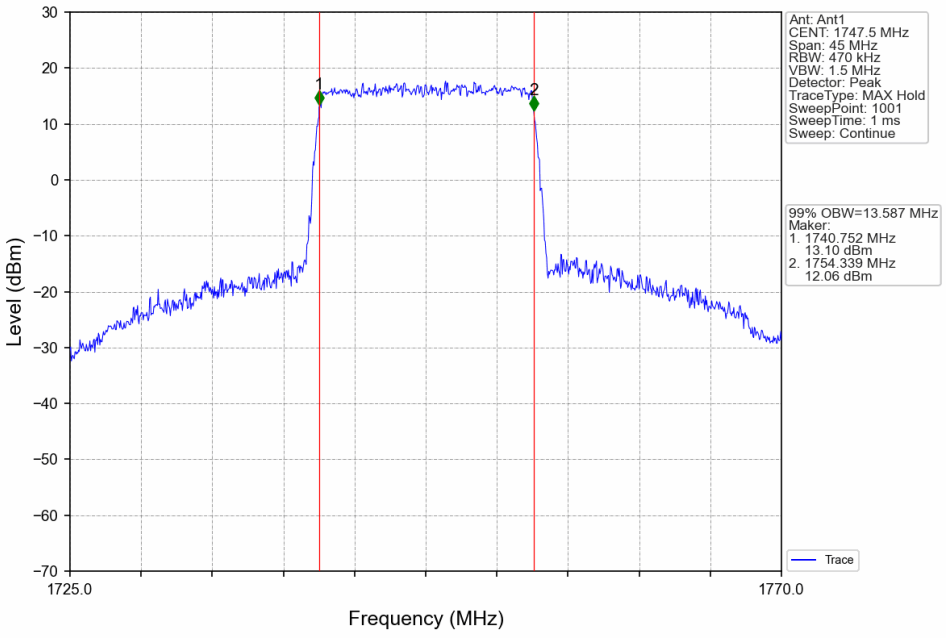
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



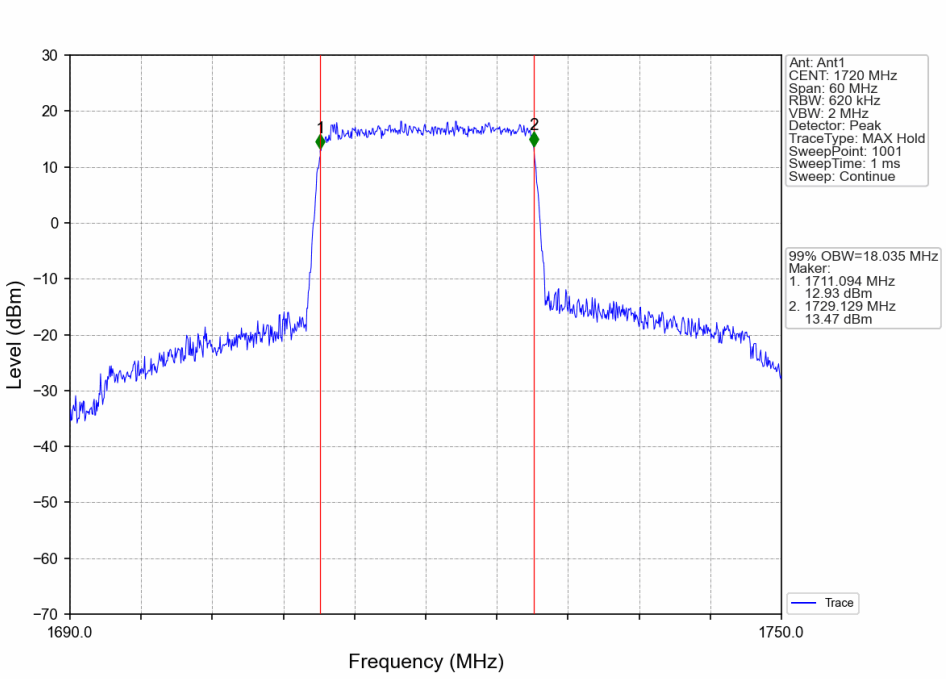
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



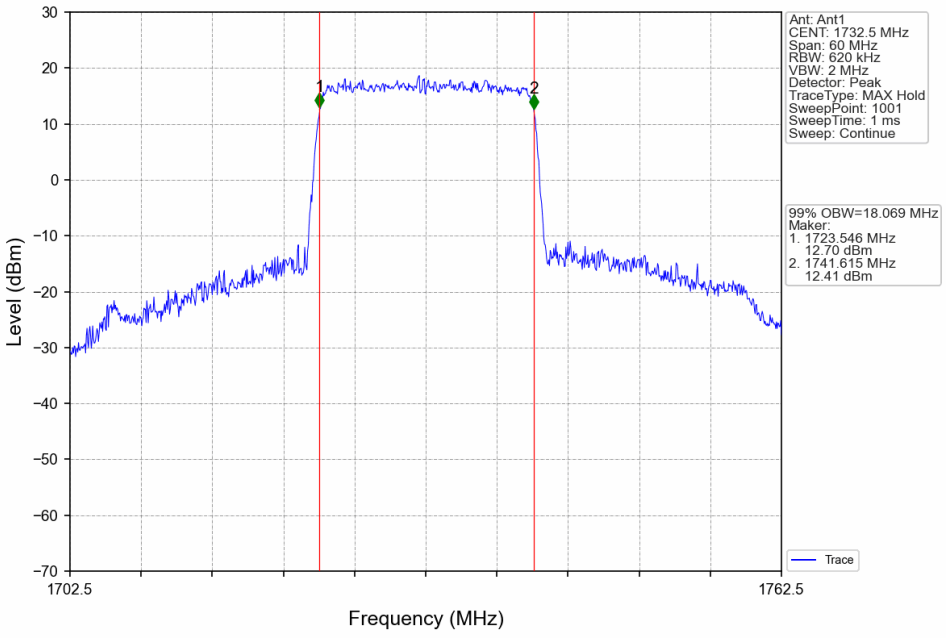
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



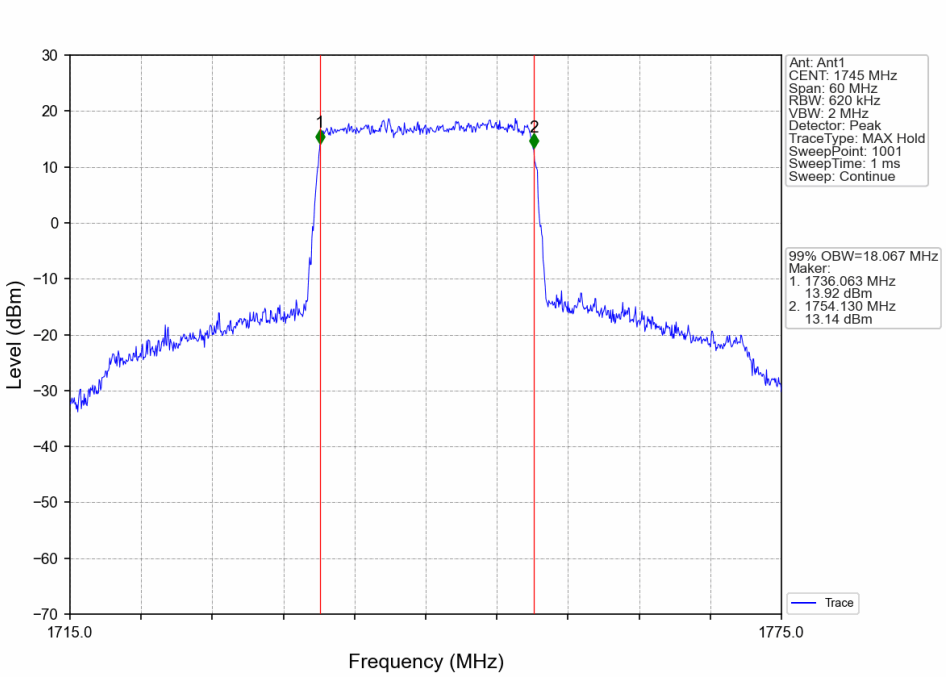
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



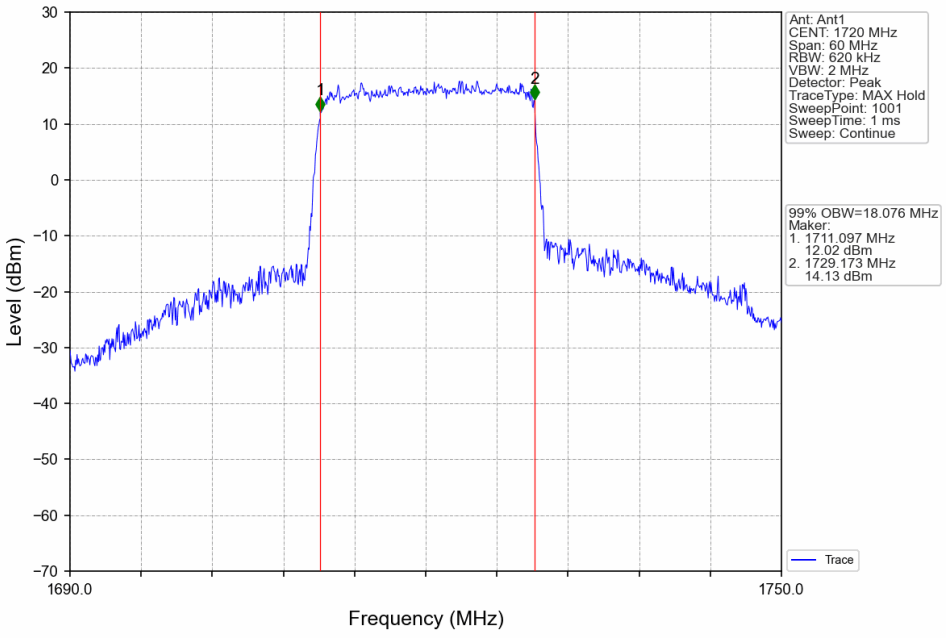
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



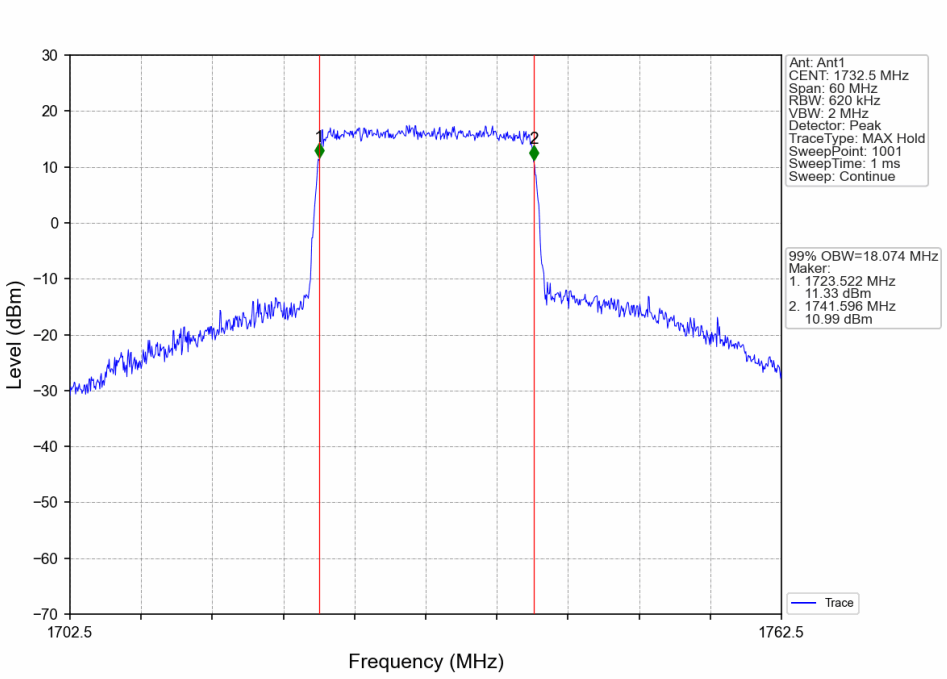
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



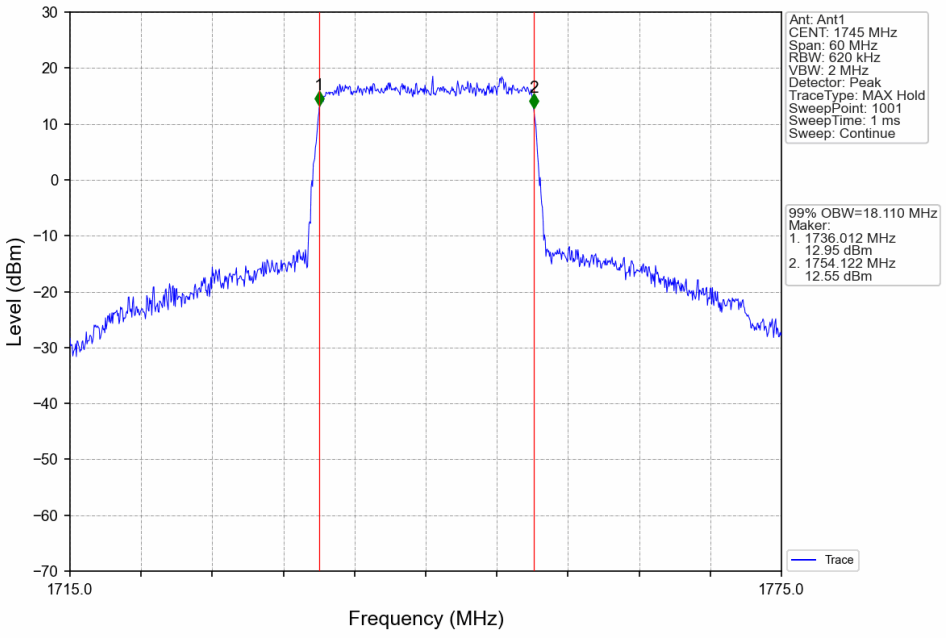
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



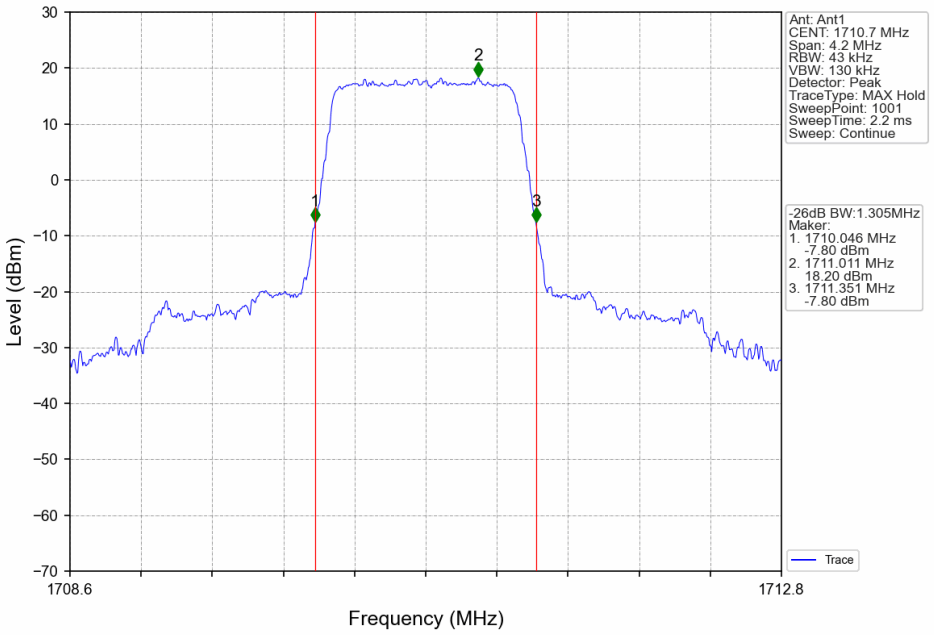
4.2 Band4_XDB

4.2.1 Test Result

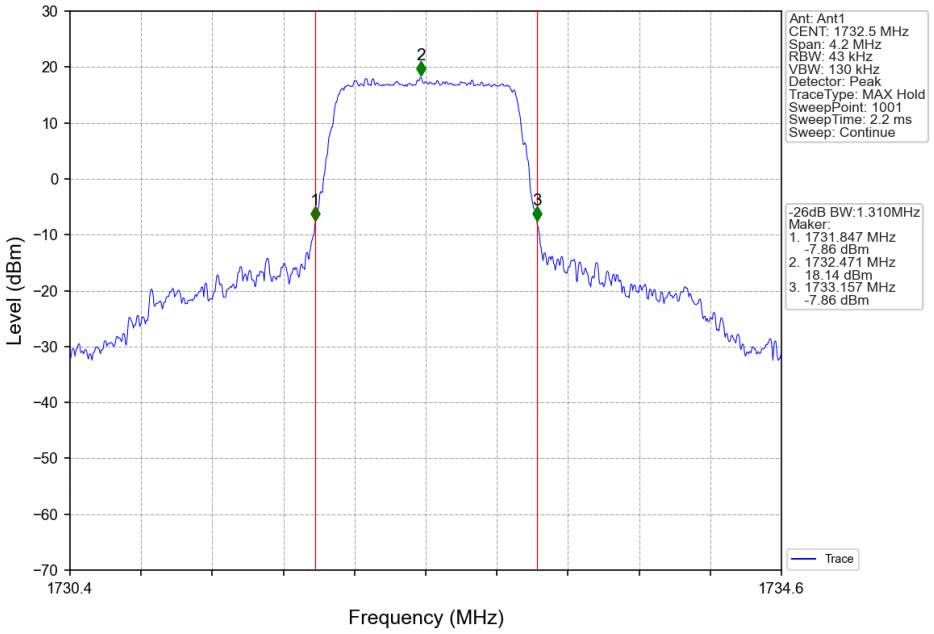
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.305	/	Pass
		1732.5	6	0	1.310	/	Pass
		1754.3	6	0	1.304	/	Pass
	16QAM	1710.7	6	0	1.316	/	Pass
		1732.5	6	0	1.299	/	Pass
		1754.3	6	0	1.303	/	Pass
3	QPSK	1711.5	15	0	3.034	/	Pass
		1732.5	15	0	3.015	/	Pass
		1753.5	15	0	3.046	/	Pass
	16QAM	1711.5	15	0	3.011	/	Pass
		1732.5	15	0	3.046	/	Pass
		1753.5	15	0	3.036	/	Pass
5	QPSK	1712.5	25	0	4.999	/	Pass
		1732.5	25	0	4.988	/	Pass
		1752.5	25	0	4.997	/	Pass
	16QAM	1712.5	25	0	5.001	/	Pass
		1732.5	25	0	4.989	/	Pass
		1752.5	25	0	4.996	/	Pass
10	QPSK	1715	50	0	9.897	/	Pass
		1732.5	50	0	9.945	/	Pass
		1750	50	0	9.860	/	Pass
	16QAM	1715	50	0	9.870	/	Pass
		1732.5	50	0	9.854	/	Pass
		1750	50	0	9.908	/	Pass
15	QPSK	1717.5	75	0	14.828	/	Pass
		1732.5	75	0	14.795	/	Pass
		1747.5	75	0	14.828	/	Pass
	16QAM	1717.5	75	0	14.835	/	Pass
		1732.5	75	0	14.857	/	Pass
		1747.5	75	0	14.896	/	Pass
20	QPSK	1720	100	0	19.636	/	Pass
		1732.5	100	0	19.700	/	Pass
		1745	100	0	19.756	/	Pass
	16QAM	1720	100	0	19.734	/	Pass
		1732.5	100	0	19.613	/	Pass
		1745	100	0	19.622	/	Pass

4.2.2 Test Graph

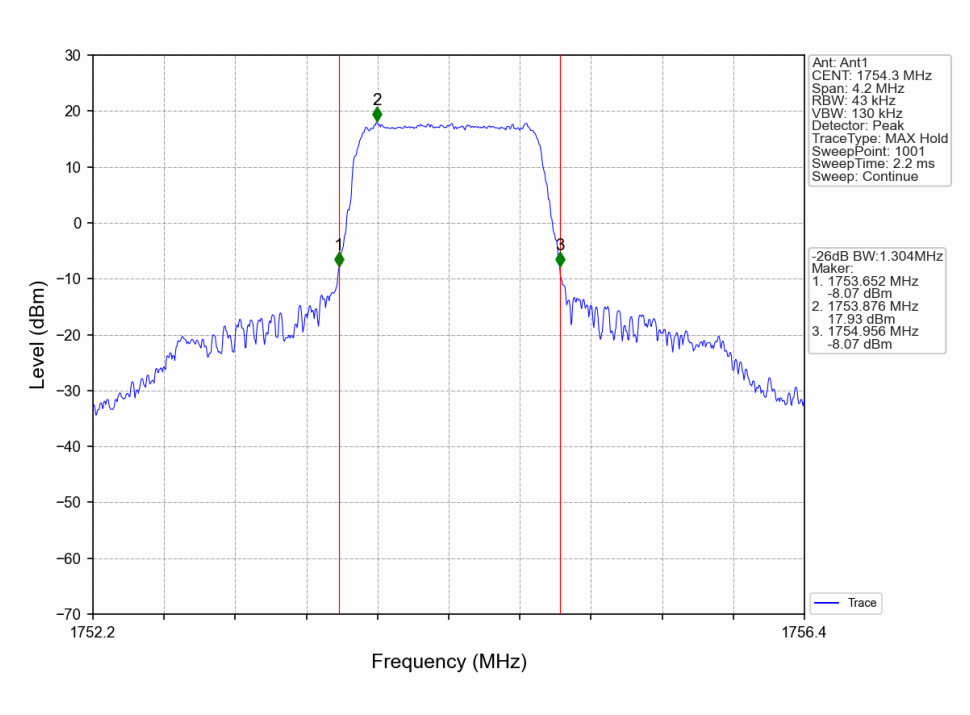
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



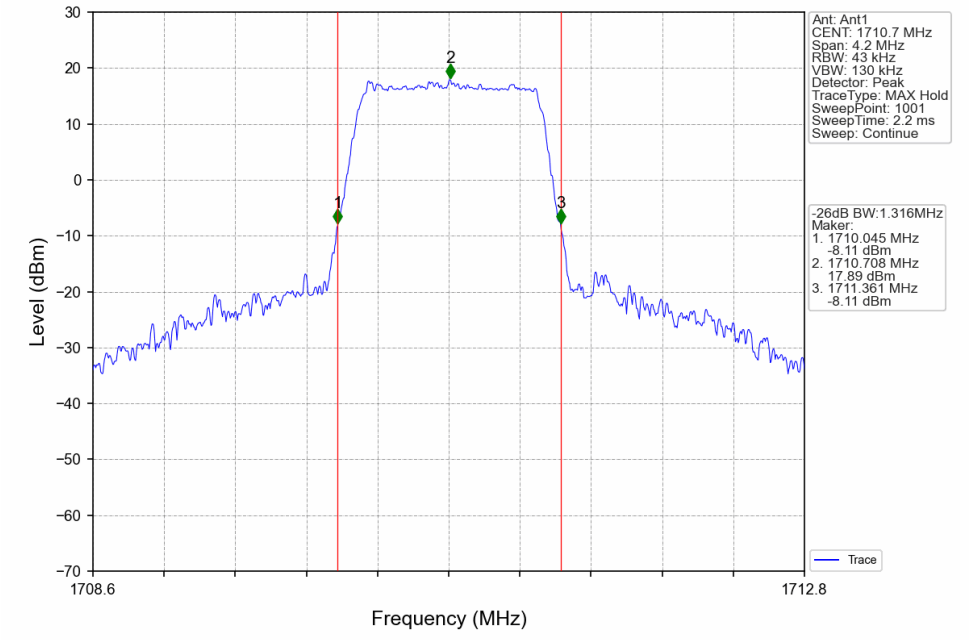
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



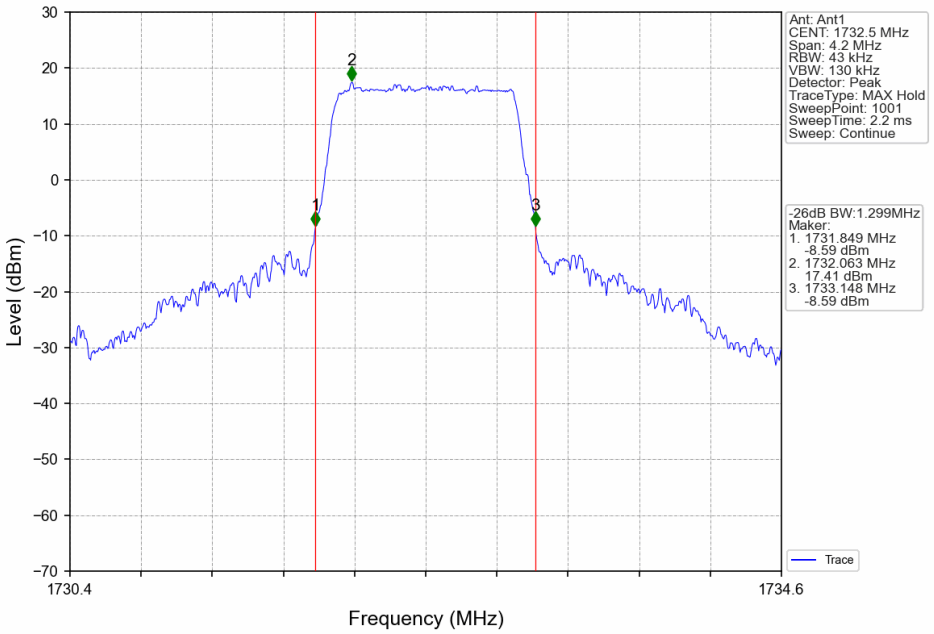
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



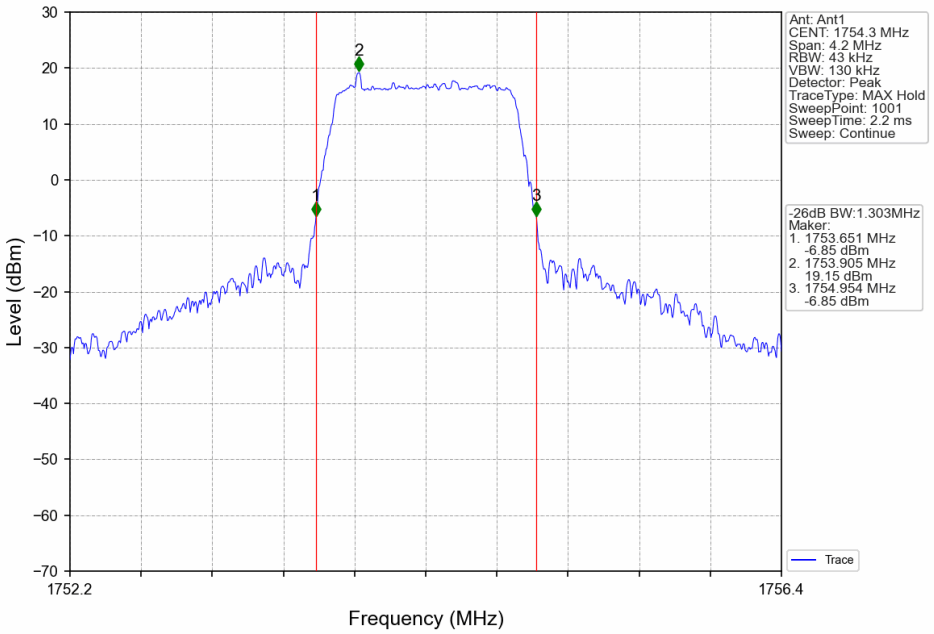
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



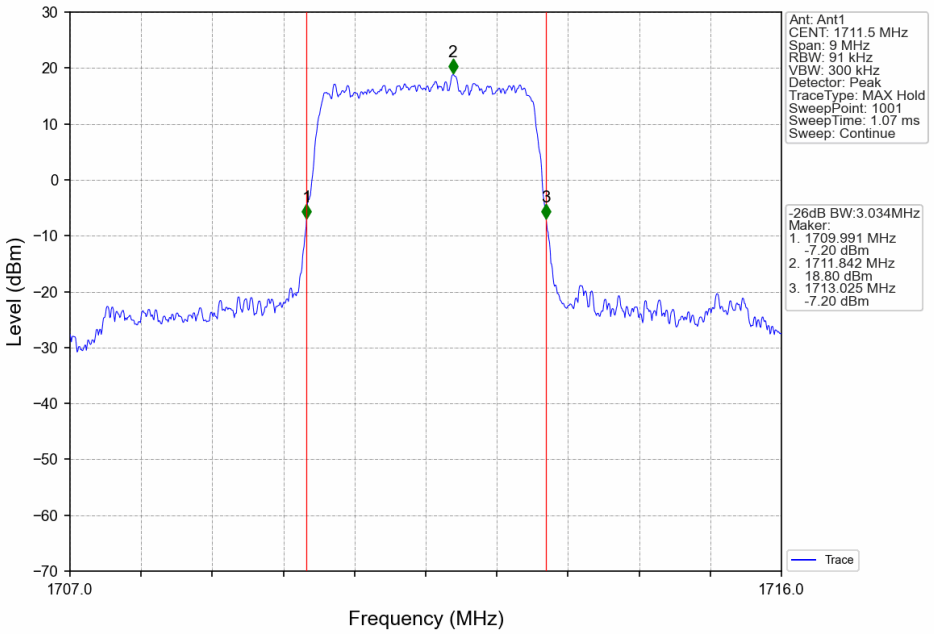
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



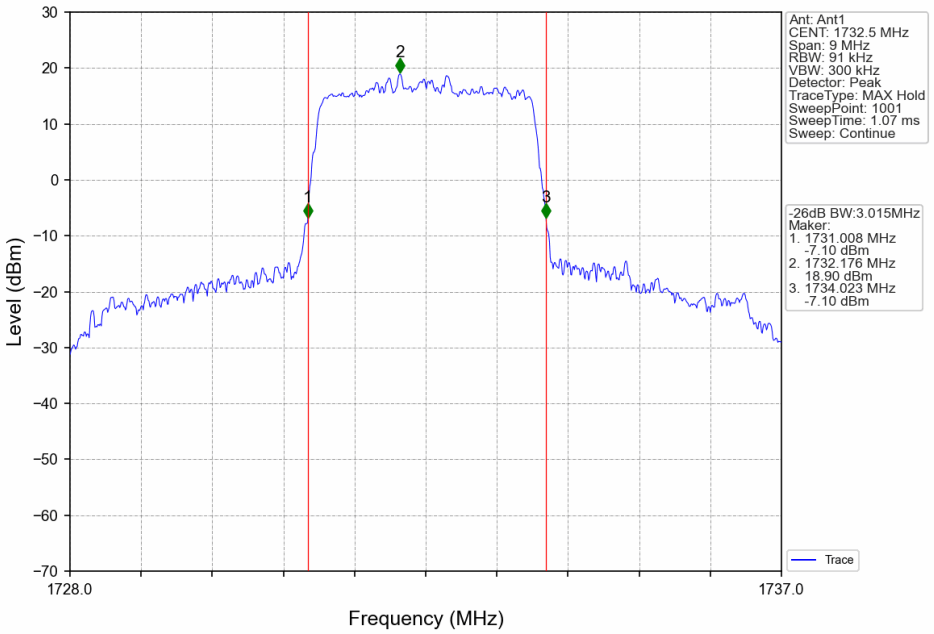
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



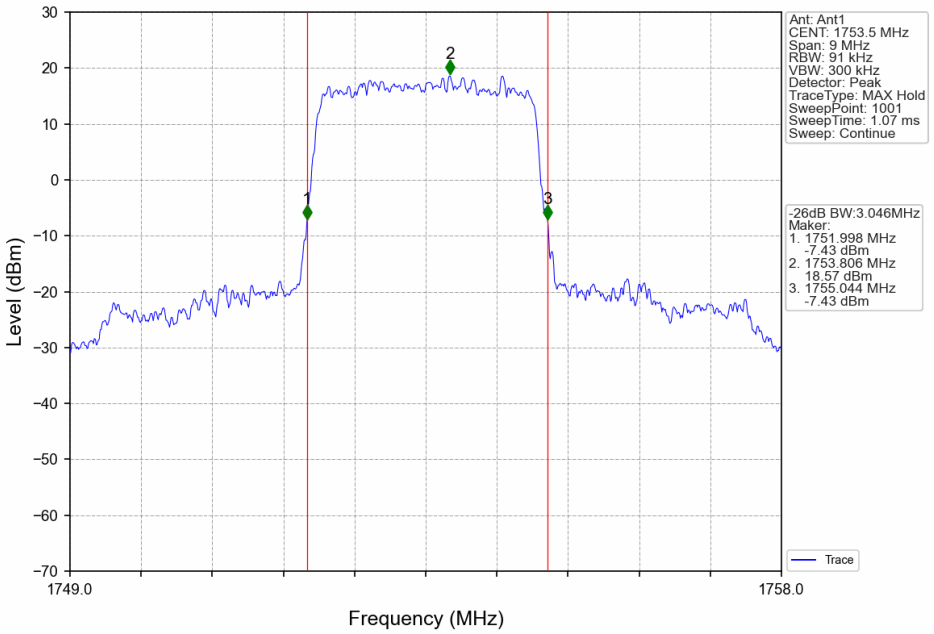
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



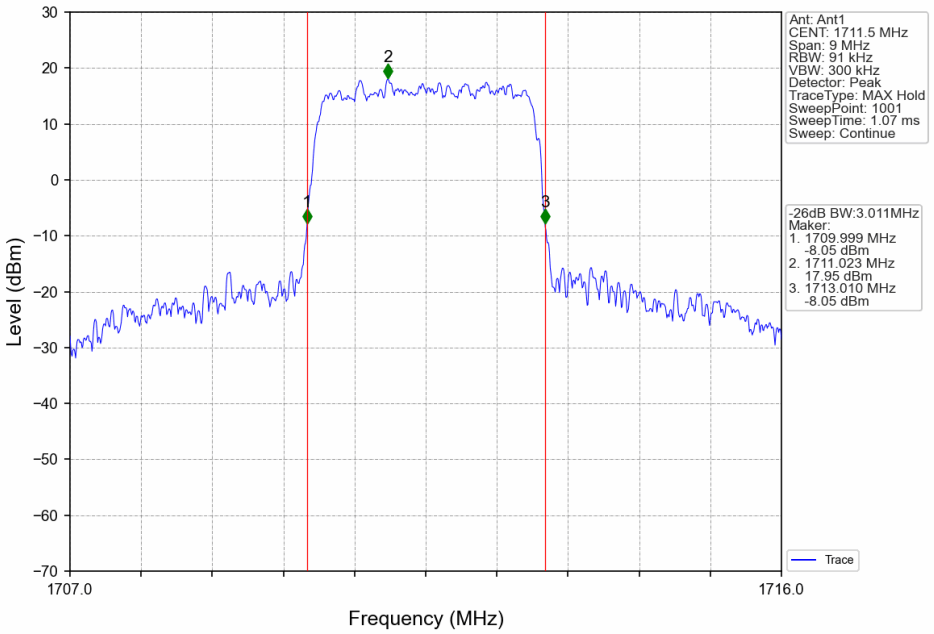
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



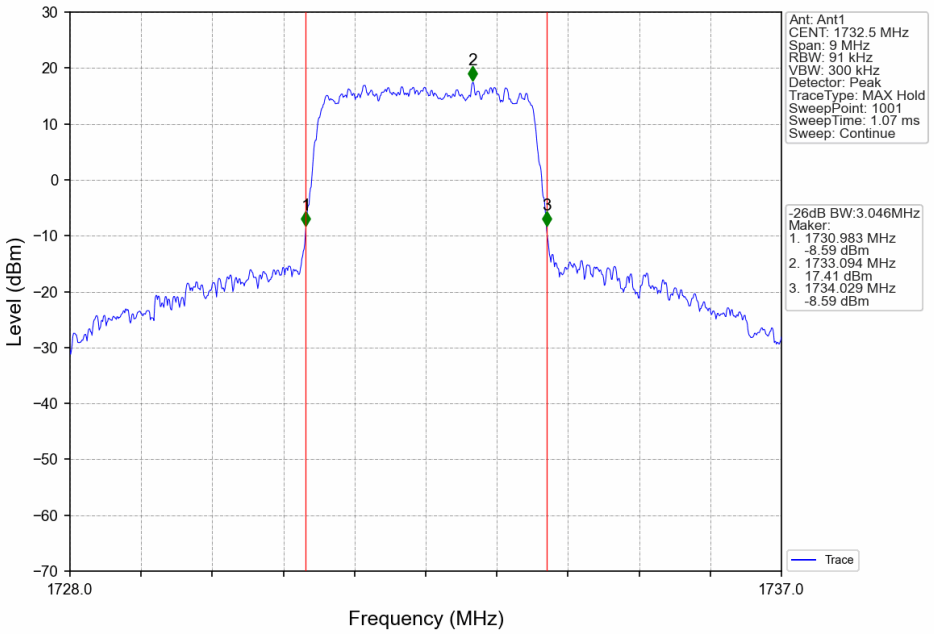
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



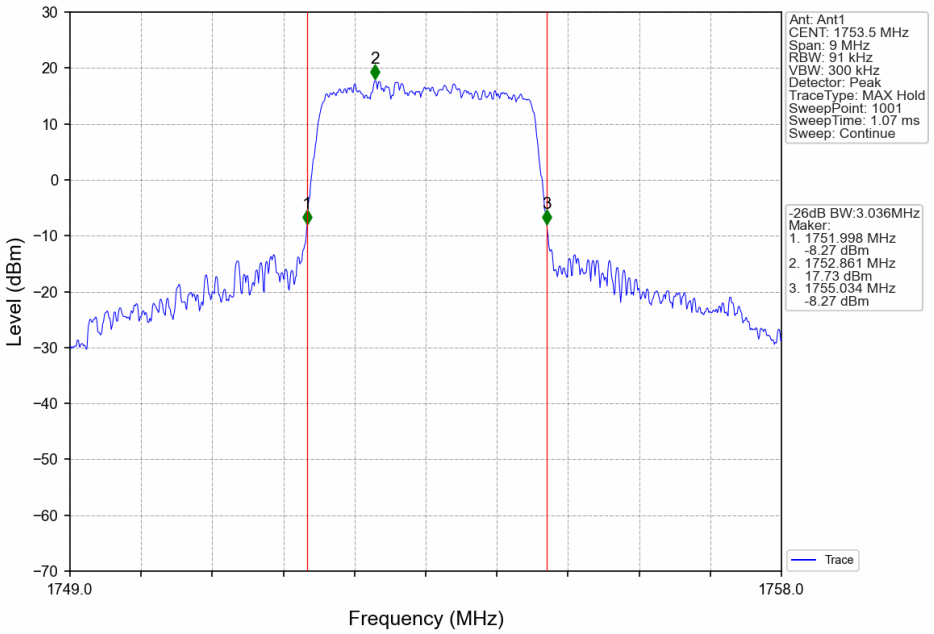
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



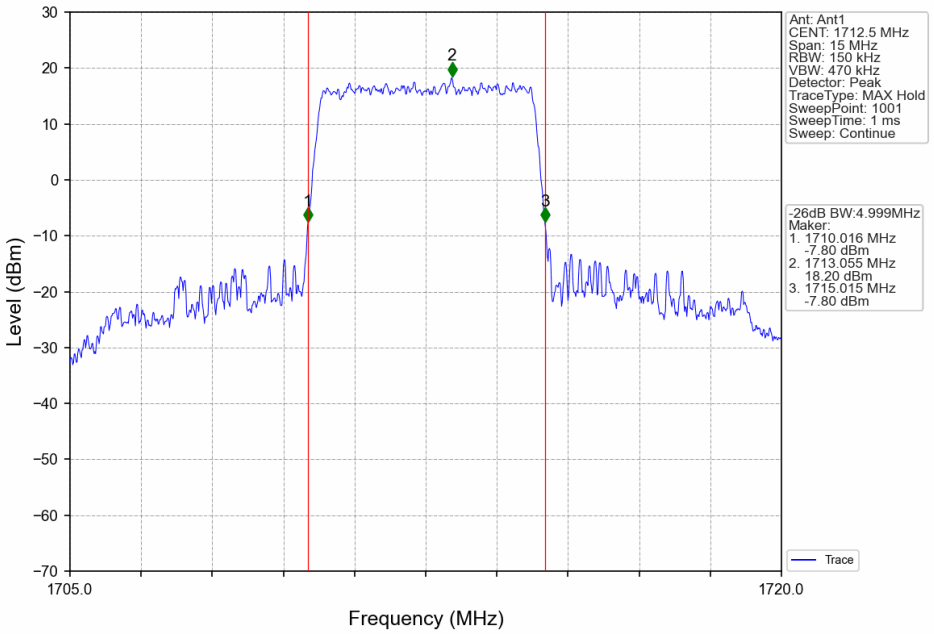
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



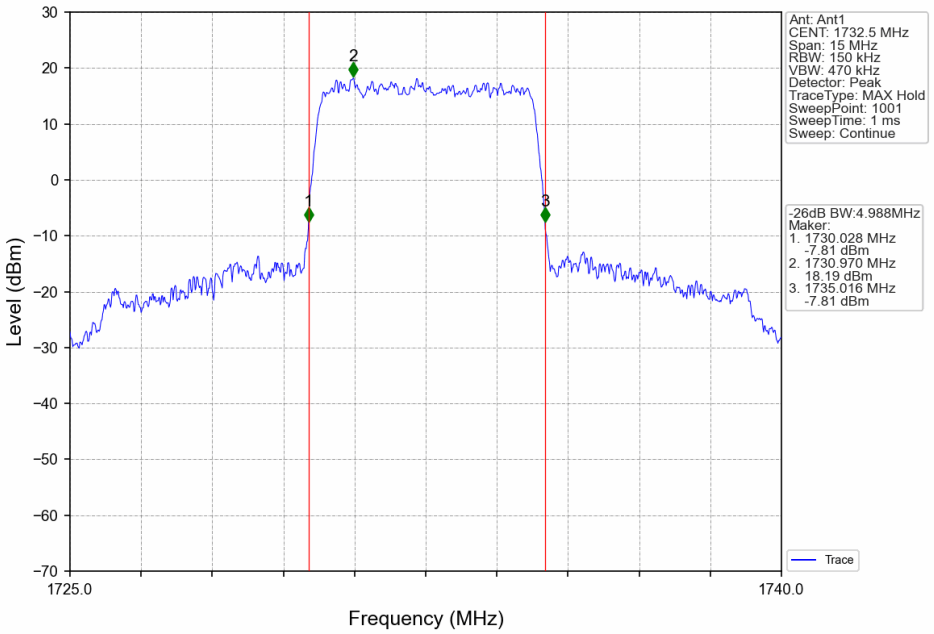
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



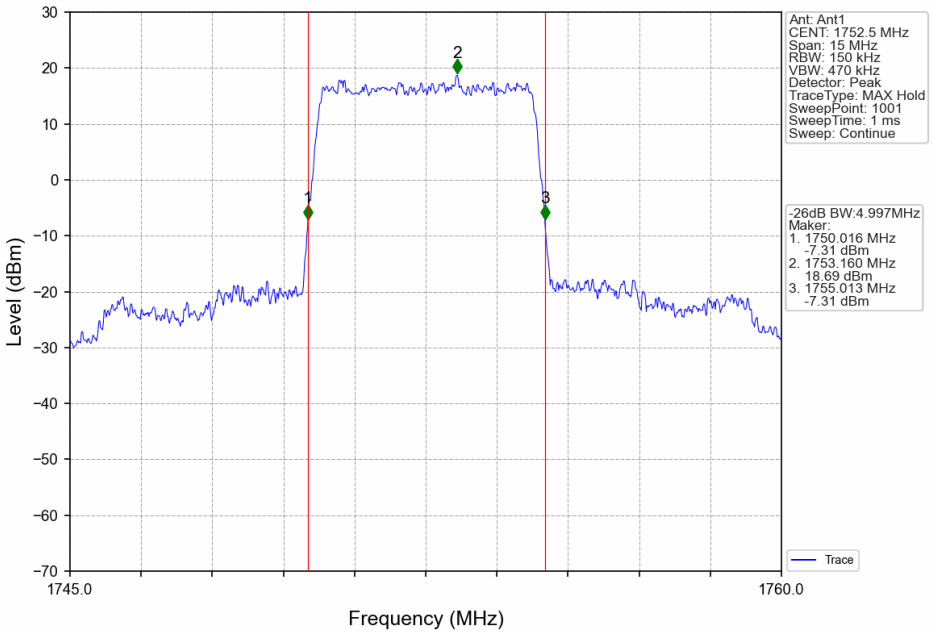
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



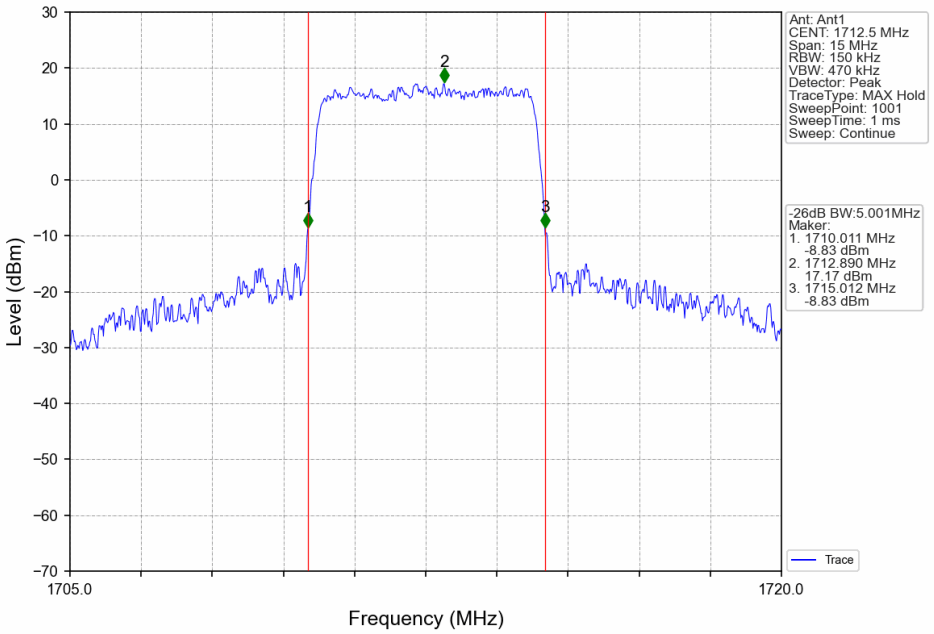
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



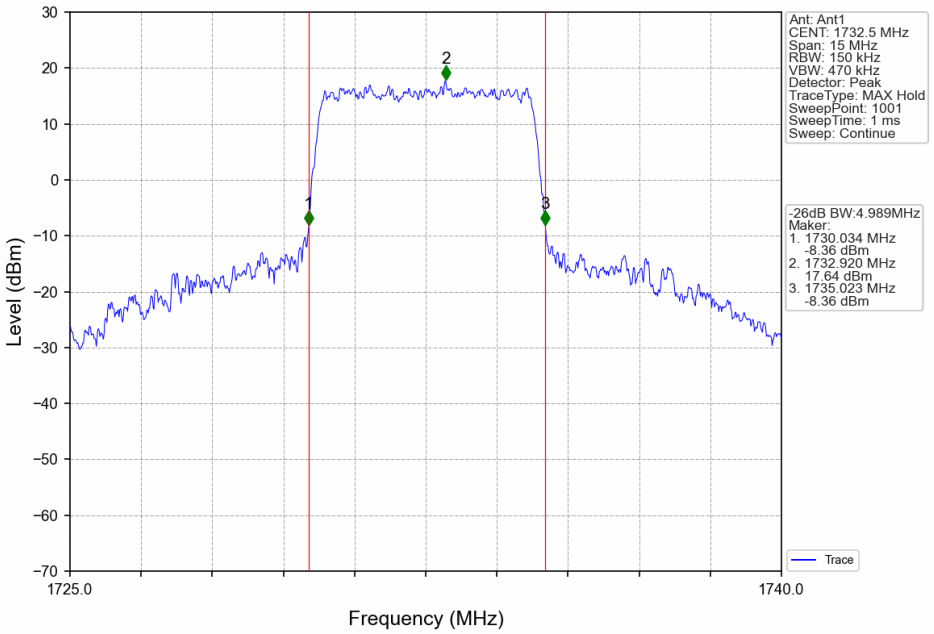
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



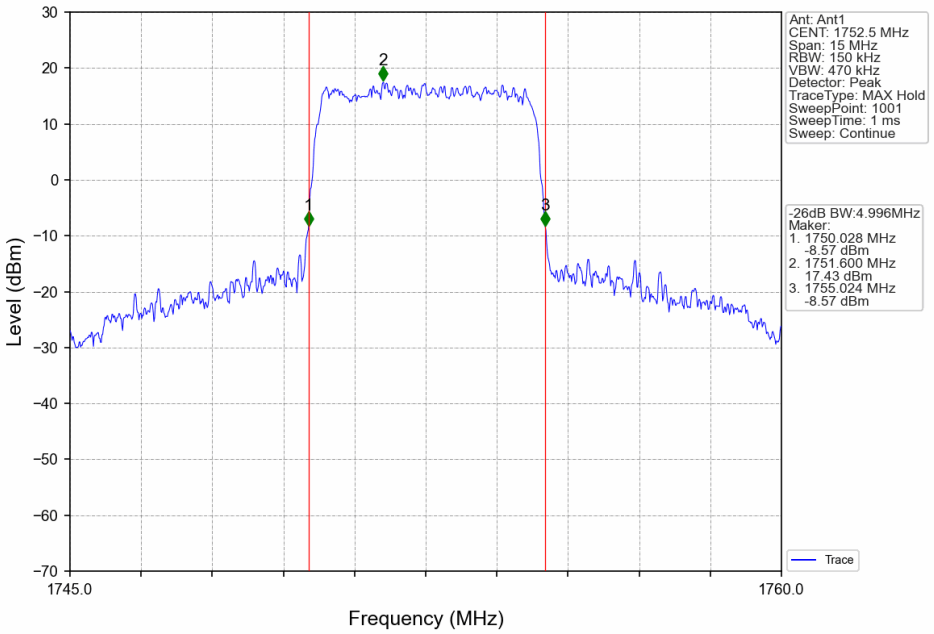
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



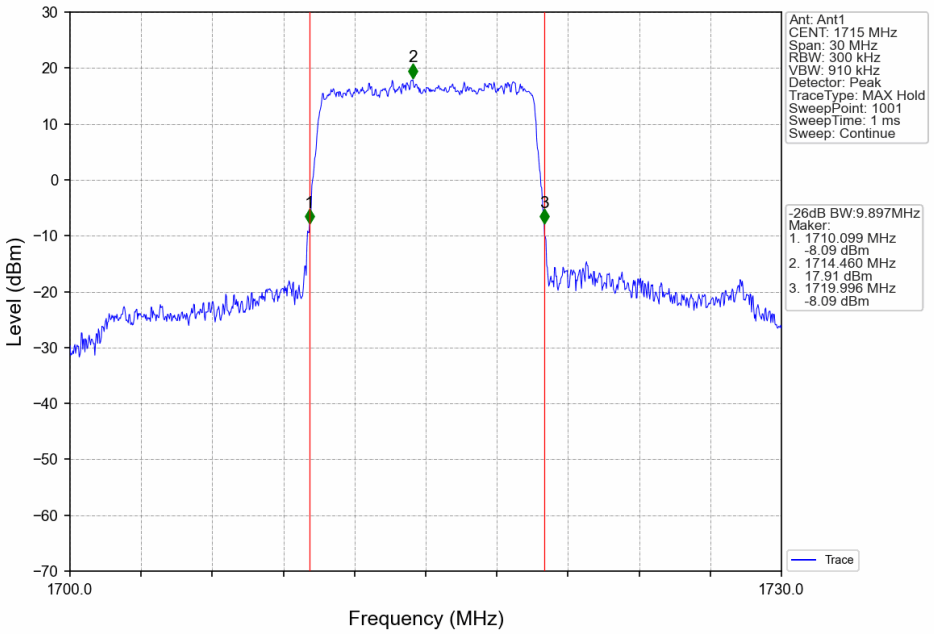
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



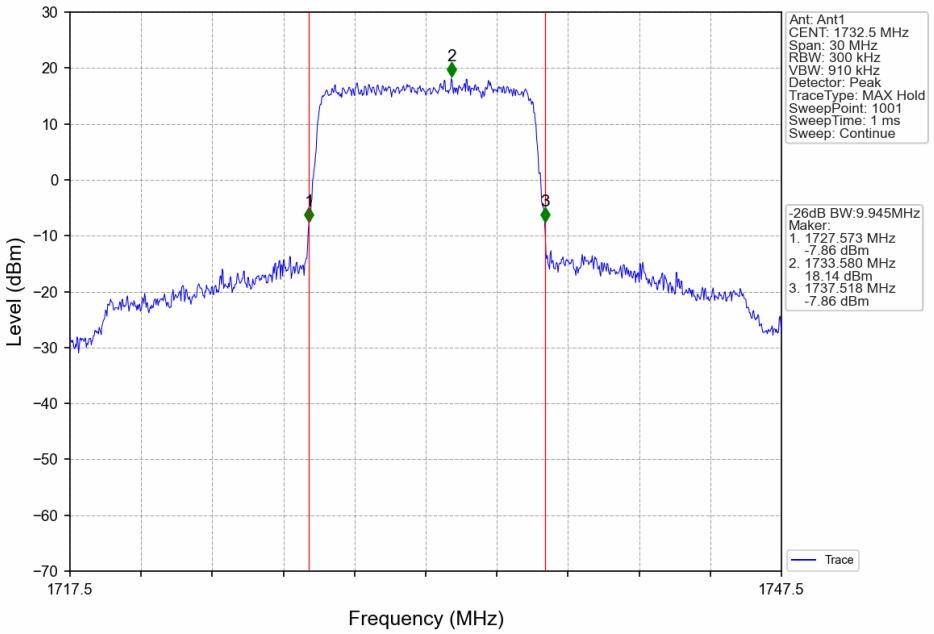
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



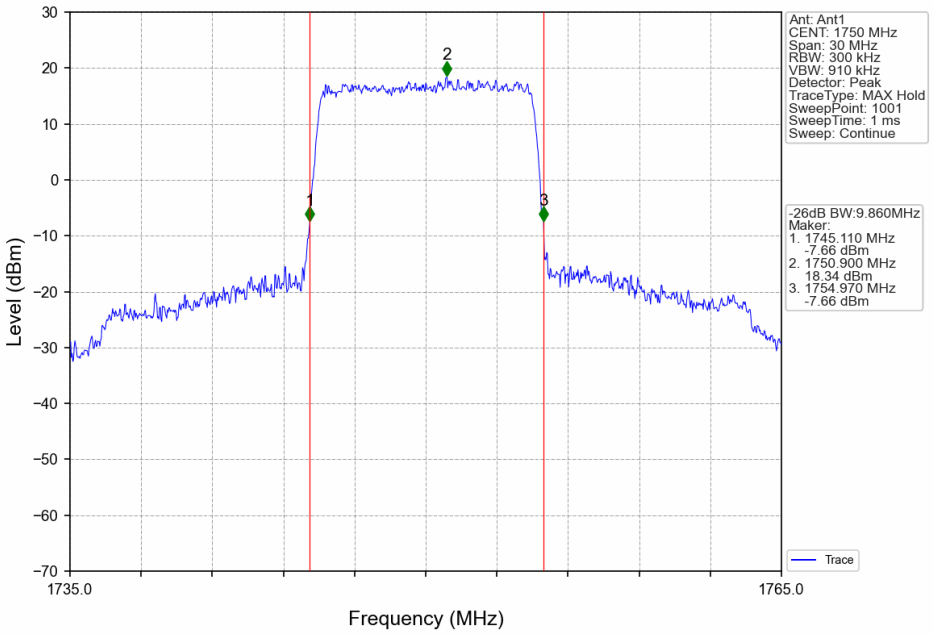
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



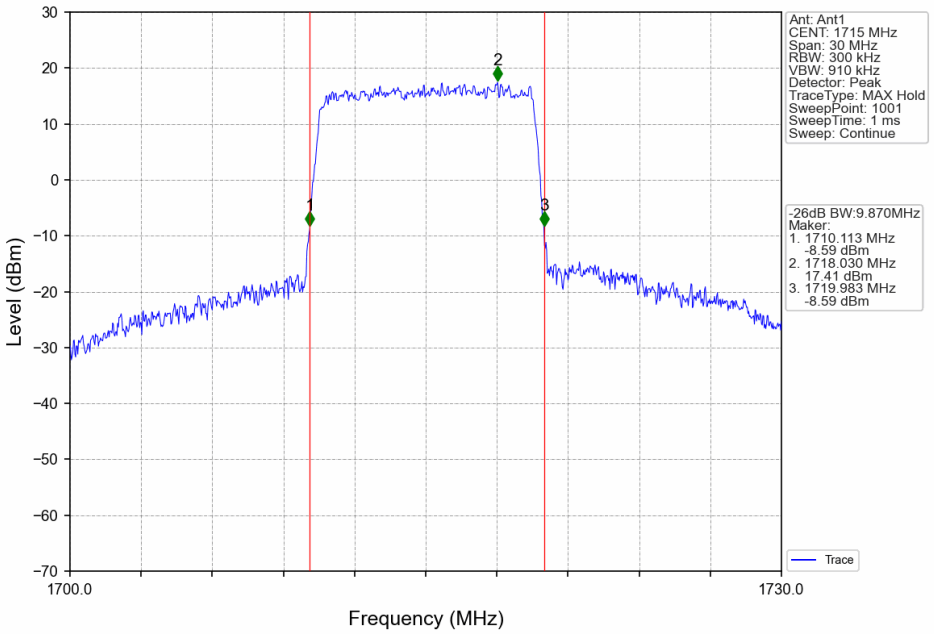
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



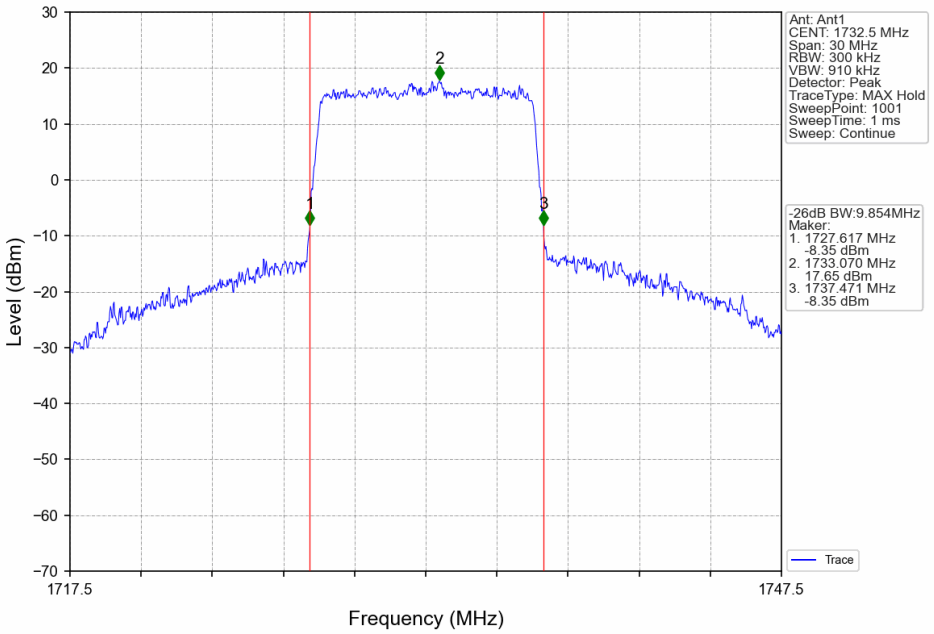
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



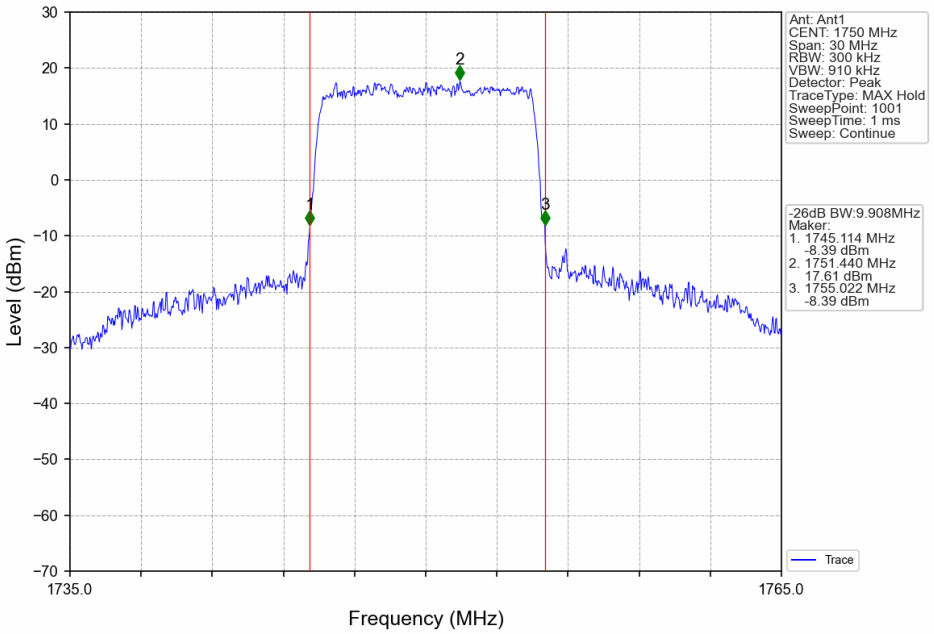
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



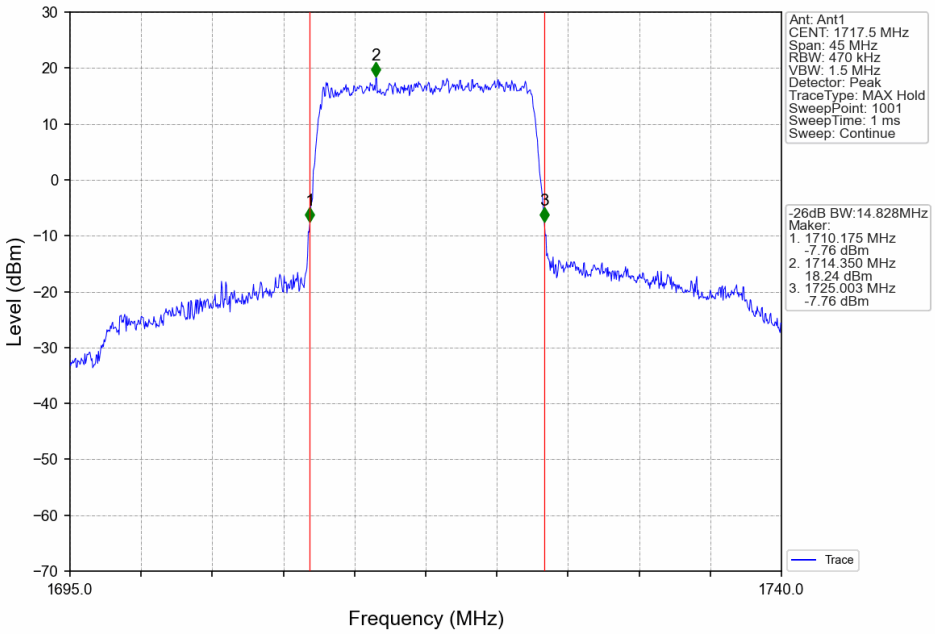
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



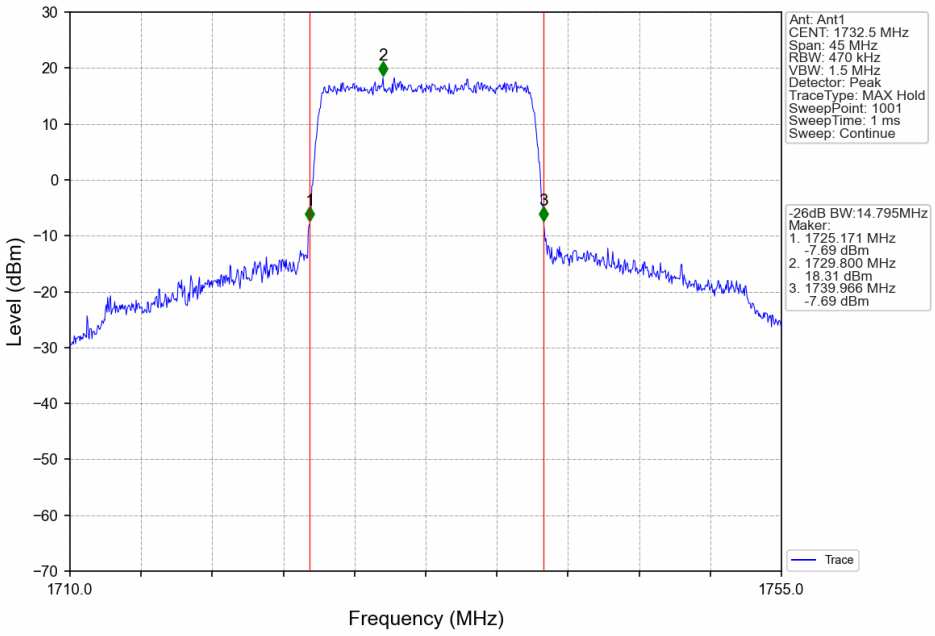
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



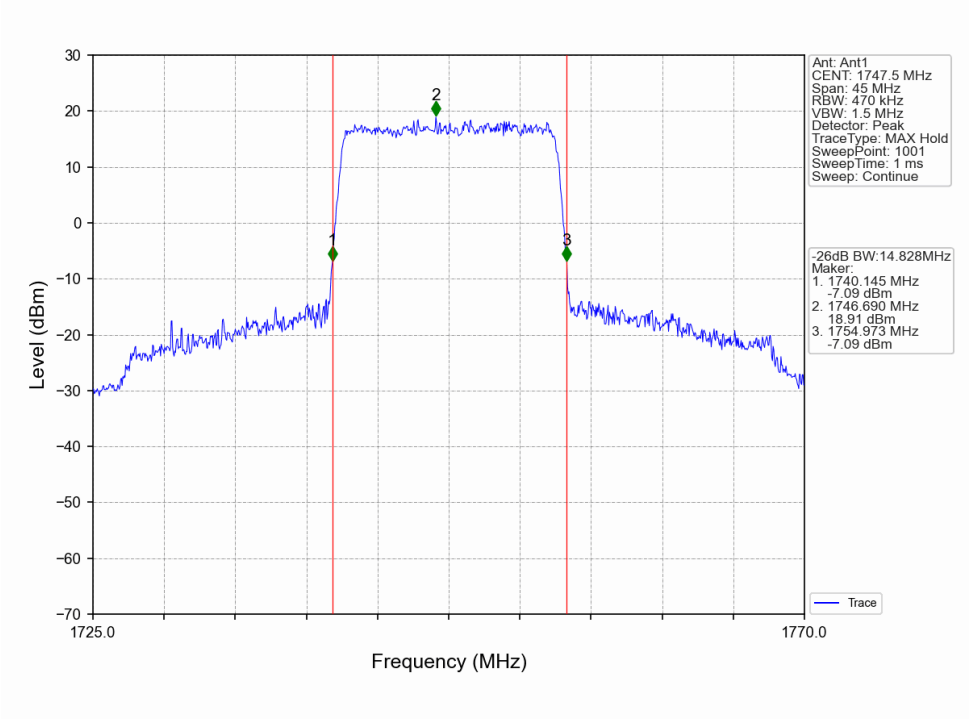
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



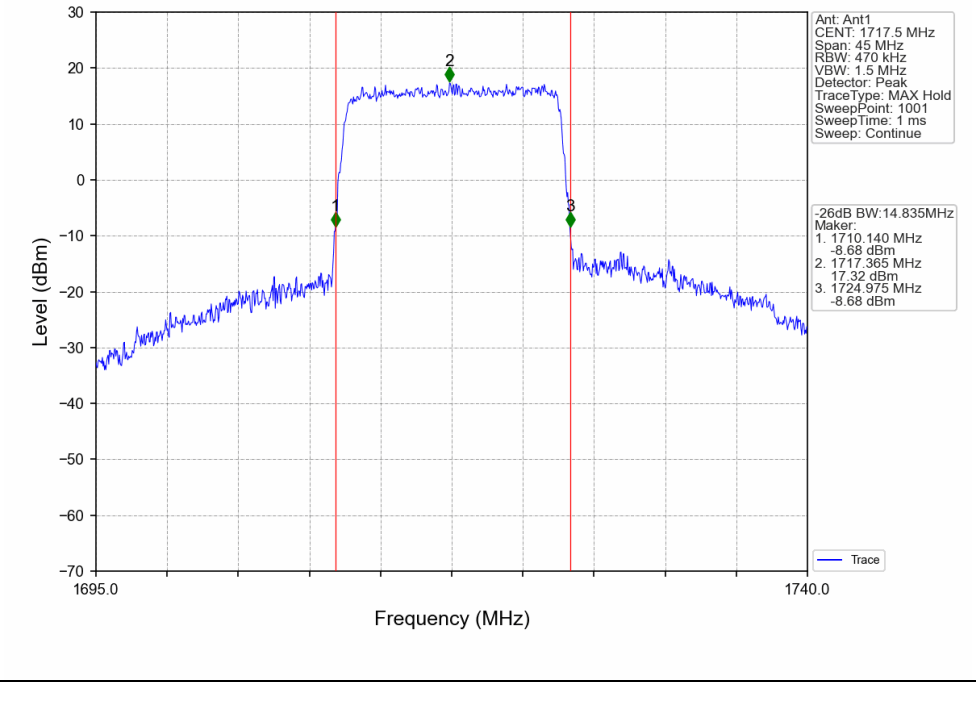
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



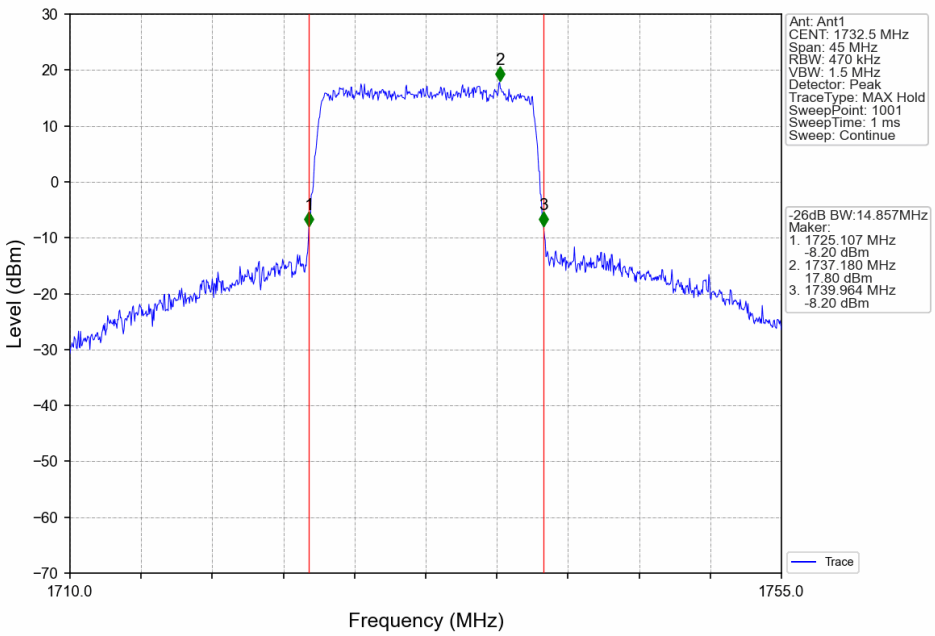
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV